TIMKEN®



SEAL SPECIFICATION GUIDE

INTRODUCTION

The Timken Company, known for its top-quality line of bearings, has extended its product line to include seals. Timken, with 77 seal patents, already had the product knowledge for seal design. In fact, it was only natural for Timken to extend this experience into a complete line of seals for the automotive aftermarket. Each and every seal sold by Timken is manufactured with the same quality that goes into every Timken bearing. To help our customers in seal selection, we have developed this Seal Specification Guide. If you have comments or suggestions on the Seal Specification Guide, please complete the postage paid card found in the back of this publication or send an e-mail to auto-am@timken.com.

HOW TO USE THIS CATALOG

The seals listed in this catalog are arranged by shaft size and part number. Determine the method you will use for your search, then turn to the corresponding section found in the table of contents. Each seal will have the dimensions, along with the seal type and material. If a specific seal is not found, contact your Timken sales representative to check the availability of that particular seal.

The data presented here is to provide a guideline or reference for general information only, it is not intended to be used for engineering purposes. Therefore, when installing any parts referenced in this catalog always follow the original equipment manufacturer's instruction manual, specifications and guidelines. The information referenced is deemed reliable but not guaranteed. The Timken Corporation reserves the right to make changes to, and amendments of, any information displayed. The Timken Corporation also reserves the right to make any functional substitutions in type, style or design where deemed appropriate.

GENERAL GUIDELINES

The data provided here is a guideline for the selection of a seal for a general or specific application. The user needs to be aware that many seal design configurations exist to meet specific requirements. Therefore, first look-up the correct seal in the Bearing and Seal Application Catalog for Automotive and Light Truck, published by The Timken Corporation. If you do not find the information regarding the seal required:

- 1. Determine the general category the seal application falls within.
- 2. Determine if operating conditions exceed the design limits.
 - a. Shaft Speed
 - b. Pressure
 - c. Eccentricity
- Select appropriate lip, case and material.
 Selection is based on temperature of application, fluid and environment to be sealed or excluded.
- 4. Review bore and shaft configurations to ensure compatibility with seal.
- If any questions or concerns remain, contact your Timken sales representative for more information or assistance.

WARNING

Proper maintenance and handling practices are critical. Follow the equipment manufacturer's installation instructions. Failure to follow installation instructions and to maintain proper lubrication can result in equipment failure and could lead to a risk of serious bodily harm.

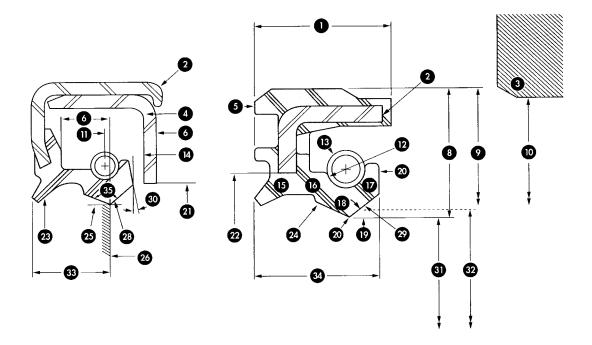
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SEAL NOMENCLATURE

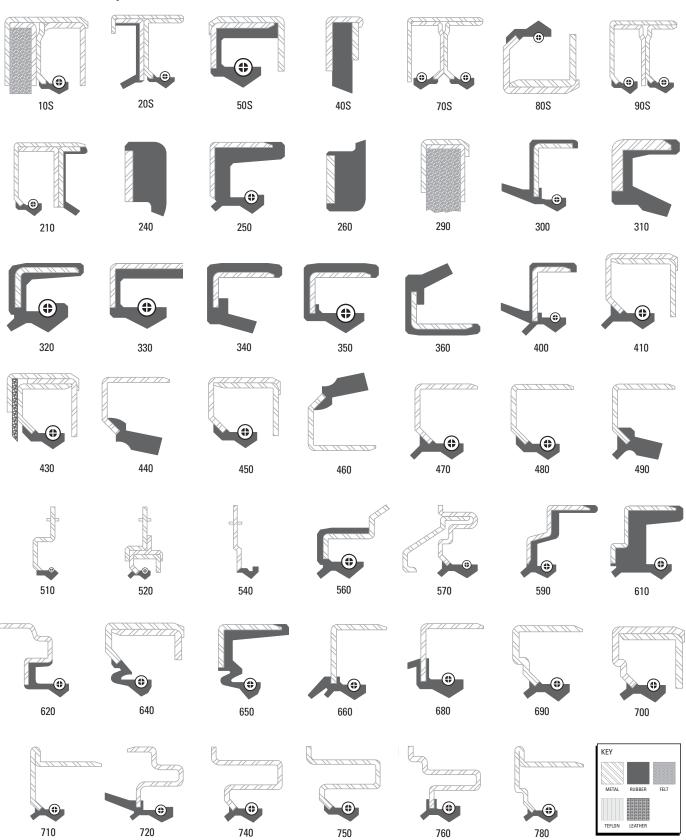


- 1. Seal Width
- 2. Metal Case (Outer)
- 3. Housing
- 4. Inner Case
- 5. Outside Face
- 6. Lip Length
- 7. Inside Face
- 8. Radial Wall Dimension
- 9. Seal Outer Diameter
- 10. Housing Bore Diameter
- 11. Spring Position (R-Value)
- 12. Spring Groove
- 13. Garter Spring
- 14. Axial Clearance
- 15. Heel Section
- 16. Flex Section
- 17. Spring Retainer Lip
- 18. Head Section

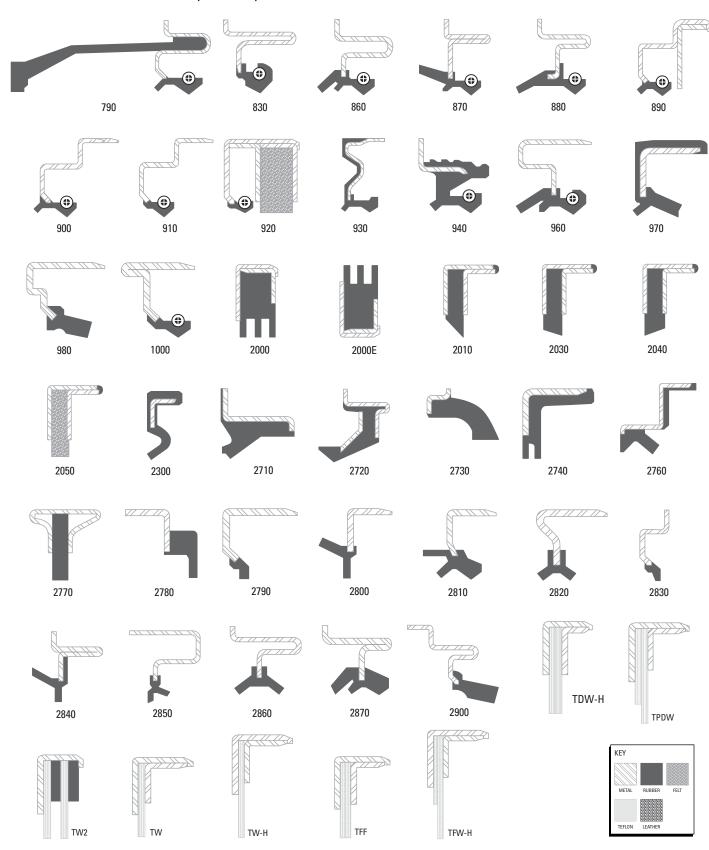
- 19. Inside Lip Angle
- 20. Toe Face
- 21. Inside Case Inner Diameter
- 22. Outer Case Inner Diameter
- 23. Auxiliary (Dust) Lip
- 24. Outside Lip Surface
- 25. Outside Lip Angle
- 26. Rib (Helix)
- 27. Contact Point
- 28. Static Lip
- 29. Inside Lip Surface
- 30. Molded Toe Angle
- 31. Spring Set Lip Diameter
- 32. Free Lip (Unsprung) Diameter
- 33. Contact Line Height
- 34. Lip Height
- 35. Lip Angle

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SEAL DESIGN/TYPES



SEAL DESIGN TYPES (continued)





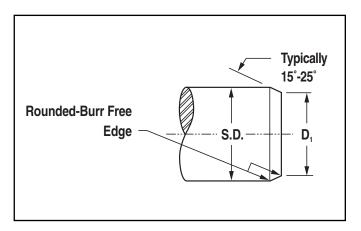
SHAFT RECOMMENDATIONS

Shafts

Seal and shaft compatibility is dependent on four conditions: shaft tolerance, lead-in chamfer, finish and hardness. Proper consideration of these conditions will assist in providing optimal seal performance.

- SHAFT HARDNESS is an important factor to prevent excessive wear, deformation, scratches or nicks, and to allow for easy machining for proper roughness. Under normal conditions, the seal contact area of the shaft should be Bockwell C45 minimum.
- SHAFT SURFACE ROUGHNESS is very important as this greatly influences the amount of lip wear. The recommended roughness is as follows:
 - Rotating 10 to 20 μ inch Ra (.25 μ M to .50 μ M Ra): RMAX=31-126 μ inch (0.8-3.2 μ M)
 - Reciprocating 5 to 10 μ inch Ra (.13 μ M to .25 μ M Ra)The method of achieving this finish should not be overlooked.
- PLUNGE GRINDING is recommended for rotating shaft applications. For reciprocating applications, centerless grinding is acceptable. Rotating shaft applications require a surface with no machine lead, as machine lead may actually pump fluid from under the seal lip. Also, hard chrome plating is suggested for any cast iron or stainless steel shafts for rotating applications and for steel shafts with reciprocating applications.
- A SHAFT CHAMFER is suggested to assist in the installation process. Without a proper chamfer, the seal lip may be damaged or distorted resulting in a dislodged garter spring.
- **SHAFT TOLERANCE** recommendations for general applications are listed below. The tolerance range should be decreased for high speed or pressure applications.

Recommended Shaft Chamfer



INCHES				
S.D.	D ₁	S.D.	D ₁	
Up to 1.000	S.D. – .094	4.001 to 5.000	S.D. – .220	
1.001 to 2.000	S.D. – .140	5.001 to 5.000	S.D. – .260	
2.001 to 3.000	S.D. – .166	6.001 to 5.000	S.D. – .276	
3.001 to 4.000	S.D. – .196	-	_	

MILLIMETERS				
S.D.	D_1	S.D.	\mathbf{D}_1	
Up to 25.00	S.D. – 2.4	100.01 to 125.00	S.D. – 5.6	
25.01 to 50.00	S.D 3.6	125.01 to 150.00	S.D. – 6.6	
50.01 to 75.00	S.D. – 4.2	150.01 to 250.00	S.D. – 7.0	
75.01 to 100.00	S.D. – 5.0	_	_	

Recommended Shaft Tolerance

SHAFT DIAMETER (INCH)	TOLERANCE	SHAFT DIAMETER (DIN/METRIC)	TOLERANCE
Up to 4.000	±.003	Up to 100 mm	±0.08
4.001 to 6.000	±.004	100.10 to 150.00	±0.10
6.001 to 10.000	±.005	150.10 to 250.00	±0.13

HOUSING RECOMMENDATIONS

Housing

Steel and cast iron provide good surfaces for both rubber covered and metal O.D. seals. For soft alloy (aluminum) bores, rubber covered O.D. seals provide better sealing capability. In aluminum or other soft alloy bores, metal O.D. seals occasionally back out of the bore due to thermal expansion of the soft alloy. Rubber, having a higher coefficient of thermal expansion than carbon steel, will tighten in the bores as temperature rises.

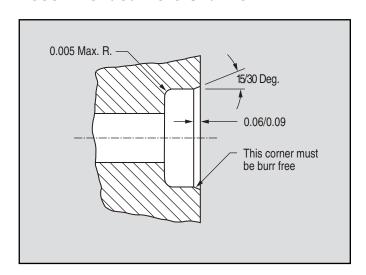
Plastic or nylon are not recommended because they typically expand at a high rate causing a major problem for metal O.D. seals. If plastic is to be used, rubber O.D. seals are recommended.

Bore Chamfer

A bore chamfer is necessary to assist in installation of the seal. To the right is the recommended configuration for the chamfer.

Proper chamfer angle and depth minimizes cocking or lack of squareness of the seal to the shaft, distortion of the seal cases, and reduces assembly force.

Recommended Bore Chamfer



Surface Roughness

Excessively rough bore finishes may allow paths for fluid to leak between seal O.D. and bore. Below shows the recommended maximum roughness.

	METAL O.D.	RUBBER O.D.
	100 µinch Ra	150 µinch Ra
MAXIMUM	2.50 µM Ra	3.75 µM Ra
ROUGHNESS	492 μinch R _{MAX}	
	12.5 µ	ıM R _{MAX}

The rubber O.D. seal is capable of functioning with a rougher finish.

	METAL O.D.	RUBBER O.D.
MINIMUM	None	60 µinch Ra
ROUGHNESS	None	1.5 µM Ra

A minimum bore roughness is recommended for rubber O.D. seals. This improves retention.

BORE RECOMMENDATIONS

Bore Diameter Tolerance

The recommended housing bore diameter, bore tolerance and nominal pressfit.

INCH SIZES

		NORMAL	PRESS FIT	O.D. TOLE	RANCE (1)	OUT OF R	OUND (2)
BORE	BORE	SEALS WITH	SEALS WITH	SEALS WITH	SEALS WITH	SEALS WITH	SEALS WITH
DIAMETER	TOLERANCE	METAL O.D.	RUBBER O.D.	METAL O.D.	RUBBER O.D.	METAL O.D.	RUBBER O.D.
Up to 1.000	±.001	.004	.006	±.002	±.003	.005	.010
1.001 - 2.000	±.001	.004	.006	±.002	±.003	.006	.012
2.001 - 3.000	±.001	.004	.006	±.002	±.003	.006	.014
3.001 - 4.000	±.0015	.005	.008	±.002	±.004	.007	.018
4.001 - 6.000	±.0015	.005	.010	+.003	±.004	.009	.023
				002			
6.001 - 8.000	±.002	.006		+.003		.012	
				002			
8.001 - 9.000	±.002	.007		+.004		.015	
				002			
9.001 - 10.000	±.002	.008		+.004		.015	
				002			

EQUIVALENT METRIC SIZES

		NORMAL	PRESS FIT	O.D. TOLE	RANCE (1)	OUT OF R	OUND (2)
BORE	BORE	SEALS WITH	SEALS WITH	SEALS WITH	SEALS WITH	SEALS WITH	SEALS WITH
DIAMETER	TOLERANCE	METAL O.D.	RUBBER O.D.	METAL O.D.	RUBBER O.D.	METAL O.D.	RUBBER O.D.
Up to 25.00	±0.025	0.10	0.15	±0.05	±0.08	0.13	0.25
25.01 - 50.00	±0.025	0.10	0.15	±0.05	±0.08	0.15	0.30
50.01 - 75.00	±0.025	0.10	0.15	±0.05	±0.08	0.15	0.36
75.01 - 100.00	±0.038	0.13	0.20	±0.05	±0.10	0.18	0.46
100.01 - 150.00	±0.038	0.13	0.25	+0.08	±0.10	0.23	0.58
				-0.05			
150.01 - 200.00	±0.051	0.15		+0.08		0.30	
				-0.05			
200.01 - 225.00	±0.051	0.18		+0.10		0.38	
				-0.05			
225.01 - 250.00	±0.051	0.20		+0.10		0.38	
				-0.05			

⁽¹⁾ Seal O.D. - The average of a minimum three measurements to be taken at equally spaced positions.

⁽²⁾ Out of Round (OOR) - The maximum variance between any of the readings used in determining seal O.D.

OPERATING CONDITIONS

Seal with Spring

DESIGN LIMITATIONS

SHAFT DIAMETER	NITRILE LIP MAXIMUM CONTINUOUS SHAFT SPEED	MAXIMUM CONTINUOUS PRESSURE	MAXIMUM TOTAL ECCENTRICITY
General	3,500 rpm	5 psi	.020"
.500	7,000 rpm	5 psi	.004"
1.500	6,000 rpm	5 psi	.006"
2.500	4,000 rpm	5 psi	.010"
3.500	3,500 rpm	5 psi	.013"
4.500	2,600 rpm	5 psi	.017"

NOTE: Higher shaft speed is possible using higher temperature materials such as polyacrylate, fluoroelastomer or silicone. Slightly higher continuous pressure is possible for shaft speeds below 200 fpm. Higher eccentricity is allowable if shaft speed is reduced.

Seal without Spring

DESIGN LIMITATIONS

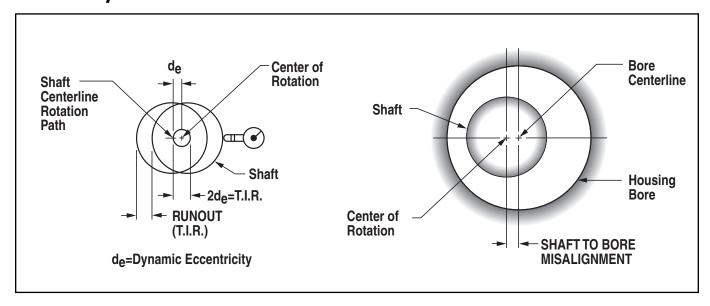
SHAFT DIAMETER	MAXIMUM SHAFT SPEED	MAXIMUM CONTINUOUS PRESSURE	MAXIMUM TOTAL ECCENTRICITY
General	2,000 rpm	4 psi	.005"
.500	3,500 rpm	4 psi	.003"
1.500	2,500 rpm	4 psi	.005"
2.500	2,100 rpm	4 psi	.006"
3.500	1,500 rpm	4 psi	.008"
4.500	1,200 rpm	4 psi	.010"

NOTE: Higher eccentricity is allowable if maximum shaft speed is reduced.

A nonsprung seal design offers a cost effective way to seal high viscosity grease applications. Because the design does not benefit from the constant load of a garter spring, the allowable eccentricity is decreased and the fluids to be sealed are limited.

OPERATING CONDITIONS

Eccentricity



Eccentricity is determined by measuring the shaft runout, TIR and the shaft-to-bore misalignment. Combine the two results for the total eccentricity the seal lip must follow to function effectively. As eccentricity increases, and/or shaft speed increases, it becomes more difficult for the lip to follow the shaft.

SEAL TOLERANCES

To provide an interface between the seal outside surface and the housing bore surface, the recommended tolerances for the outside diameter of the seal are indicated below.

SEAL WIDTH b	TOLERANCE
b < 10	± 0.3
b > 10	± 0.4

SEAL OUTSIDE DIAMETER TOLERANCES (VALUES IN MILLIMETERS)

NOMINAL	DIAMETE	RAL TOLERANCE	ROUNDNESS T	OLERANCE ¹
OUTSIDE DIAMETER D	METAL Cased	RUBBER COVERED ^{2,3}	METAL CASED	RUBBER COVERED
D<50	+0.20	+0.30	0.18	0.25
	+0.08	+0.15		
50 <d1<80< td=""><td>+0.23</td><td>+0.35</td><td>0.25</td><td>0.35</td></d1<80<>	+0.23	+0.35	0.25	0.35
	+0.09	+0.20		
80 <d1<120< td=""><td>+0.25</td><td>+0.35</td><td>0.30</td><td>0.50</td></d1<120<>	+0.25	+0.35	0.30	0.50
	+0.10	+0.20		
120 <d1<180< td=""><td>+0.28</td><td>+0.45</td><td>0.40</td><td>0.65</td></d1<180<>	+0.28	+0.45	0.40	0.65
	+0.12	+0.25		
180 <d1<300< td=""><td>+0.35</td><td>+0.45</td><td>0.25% of</td><td>0.80</td></d1<300<>	+0.35	+0.45	0.25% of	0.80
	+0.15	+0.25	outside diameter	
300 <d1<400< td=""><td>+0.45</td><td>+0.55</td><td>0.25% of</td><td>1.00</td></d1<400<>	+0.45	+0.55	0.25% of	1.00
	+0.20	+0.30	outside diameter	

- The roundness tolerance is equal to the difference between the maximum diameter and the minimum diameter derived from three or more equally spaced measurements.
- Rubber-covered seals having a wave profile outside surface are acceptable but will require different tolerances to be agreed upon between manufacturer and purchaser.
- Rubber-covered seals employing certain materials other than nitrile may require different tolerances to be agreed upon between manufacturer and purchaser.

MATERIAL SELECTION

General Elastomer Information

BASE POLYMER	NITRILE	POLYACRYLATE	SILICONE	FLUOROELASTOMER
TEMPERATURE*	-50°F ~ 250°F	-20°F ~ 300°F	-80°F ~ 400°F	-30°F ~ 400°F
RANGE	-45°C ~ 125°C	-30°C ~ 150°C	-60°C ~ 200°C	-35°C ~ 200°C
Oil Resistance	1	1	n	1
Acid Resistance	n	S	S	S
Alkali Resistance	n	v	v	S
Water Resistance	n	S	n	n
Heat Resistance	n	1	1	1
Cold Resistance	n	S	n	S
Wear Resistance	1	1	n	1
Ozone Resistance	n	1	1	1

1Very good n Good for most applications s Fair, can be used if no other materials available but otherwise not recommended v Not recommended

MATERIALS	ADVANTAGES	DISADVANTAGES
NITRILE S	Commonly referred to as Buna-N and a Copolymerof Butadiene and Acryonitrile Low cost Good resistance to petroleum oils, water, silicone oils,greases, glycol base fluids Good abrasion resistance, cold flow, tear resistance	Poor resistance to ozone and weather aging
POLYACRYLATE N	 Polymerised acrylic acidesters Good resistance to mineral oils, hypoid gear oils, E.P. additives, greases, aging and flex cracking Higher temperature limit than Nitrile 	 Fair cold temperature limit Lower mechanical strength Costs slightly higher than Nitrile Poor dry running ability, water resistant
SILICONE H	Broad temperature range Good ozone resistance Resistant to compression set	Low resistance to hydrocarbon fluids like gasoline or paraffin fluids or steam above 50 psi Cost is higher than Polyacrylate
FLUOROELASTOMEF V	 Good temperature resistance Compatible with wide range of fluids Commonly chosen as high temperature replacement for Nitrile or Polyacrylate 	 Fair resistance to water, dry running Low temperature resistance is fair Cost is high
ETHYLENE ACRYLIC (Vamac®) E	Good resistance to lubricating oils, greases, transmission fluids, power steering fluids and diesel fuel Higher temperature limit than NBR High/Consistent vibration damping capability	Poor steam resistance Fair cold temperature limit Cost is higher than NBR
FKM & ACM BLEND X	Better fluids resistance than ACM Better high temperature performance than ACM	Cost is higher than ACM Properties tend to be closer to ACM than FKM
FKM & VMQ BLEND Y	Better low temperature properties than FKM Better oil resistance than VMQ	Cost is higher than VMQ Properties tend to be closer to VMQ than FKM

Felt (F) - Adequate seal for heavier lubricants, commonly used as a wiper seal.

Urethane (U) - Good lubricant resistance, good ozone resistance, good abrasion resistance
Tetrafluoro-Ethylene Propylene (Aflas*) (A) - Compatible with range of hydraulic fluids, fair abrasion resistance

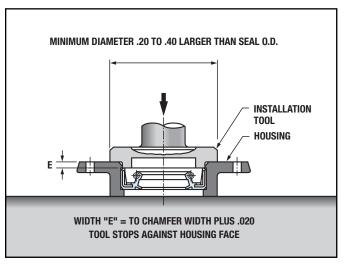
P.T.F.E. (Teflon®) (T) - Low friction properties, good heat and chemical resistance

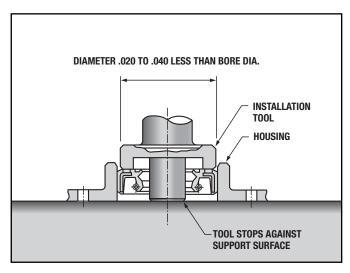
SEAL INSTALLATION PROCEDURES

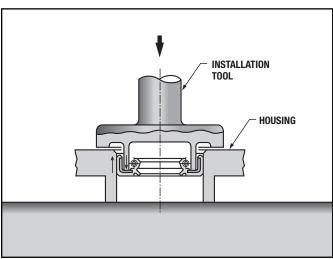
The subject of installation represents an area commonly overlooked when selecting an oil seal for an application. Studies have shown this area to be one of the major causes of premature seal failure. To assist the installation, the seal should be prelubricated with grease or oil to reduce sliding friction of contact surfaces. This will also help protect the seal lips during initial run-in. An installation tool should always be

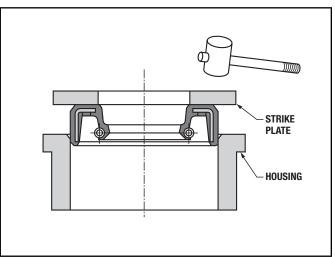
used when installing an oil seal. The use of a tool improves ease of installation and reduces the possibility of seal cocking (non-perpendicular to shaft). A hydraulic or pneumatic press is advised to supply necessary force to install the seal. Following are examples of both recommended and improper installation methods.

ACCEPTABLE METHOD OF SEAL INSTALLATION



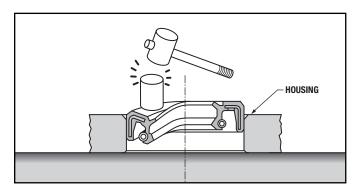


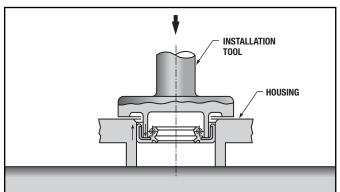


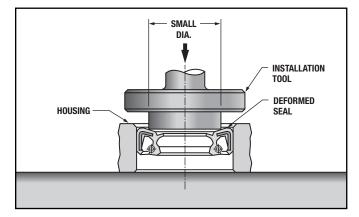


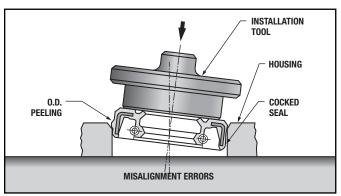
In each preferred method, installation load is absorbed by either housing or bottom plate to prevent seal damage and to assist in locating the seal properly within the bore.

IMPROPER METHOD OF SEAL INSTALLATION







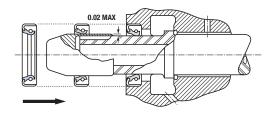


SHAFT INSTALLATION

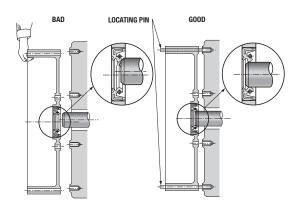
The advisable sequence of installation is to install the seal over the shaft and then into the housing bore. Care should be exercised not to damage or deform the seal lip. The proper chamfer angle will minimize this problem. When installing over a keyway or spine, a sleeve or bullet should be employed to protect the seal lip from cuts.

Where the shaft must be installed through the seal, centering guides for the shaft will prevent lip deformation and dislodging of the spring. When possible, the shaft should be rotated as it passes through the seal to reduce sliding friction.

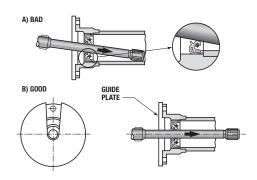
SEAL INSTALLATION OVER SHAFT SPLINES



HEAVY WEIGHT HOUSING



LONG SHAFT



V-SEALS

V-Seals can be used on an eccentric or slightly misaligned shaft. V-Seals are extremely easy to mount. Made entirely of rubber, the V-Seals are slipped over the shaft and mounted against the counterface. Desirable for retrofitting, V-Seals can be stretched over a flange during assembly.

V-Seals reduce inventory requirements. Because of its elasticity, the same size V-Seals can be fitted to a variety of different size shafts.

Interference pressure of the seal lip against the counterface is much lower with V-Seals than with a conical seal. Less pressure means less drag and lower torque requirements from your power source.

V-Seal is manufactured using a variety of compounds which include:

Nitrile

Temperature Range:

-40° - 225° F.

Viton (Flouraelastomer) – For high temperature and/or aggressive mediums

Temperature Range:

-30° - +325° F. (Dynamic Application)

-50° - +450° F. (Static Application)

V-Seals are also available in neoprene, sillicon, polyacryclic and other elastomers, to meet a variety of application requirements.

V-Seals, as opposed to conventional radial seals, afford less emphasis on design, machining and axial tolerances. V-Seals will not "groove" the shaft shaving maintenance and remanufacturing costs. If properly designed, V-Seals can be used in applications demanding 5000 FPM.

V-Seals are manufactured in different profiles to suit a variety of application needs. Requirements for V-Seals are 32 to 125 RMS, depending on the particular application. Applications for V-Seals include:

Pumps Motors Conveyors Gear Boxes

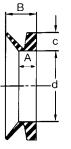
Mining Machining Equipment

Pillow Blocks Boring Boxes

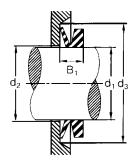
Automotive Agricultural Equipment

Steel Mills Paper Mills
Rolling Mills Strip Mills
Drills Marine



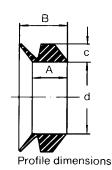


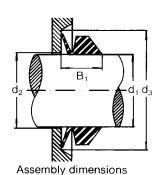




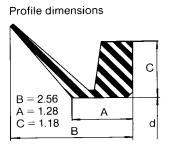
Assembly dimensions

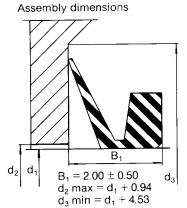
Timken Style VS1



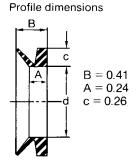


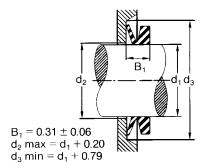
Timken Style VS2





Timken Style VS3



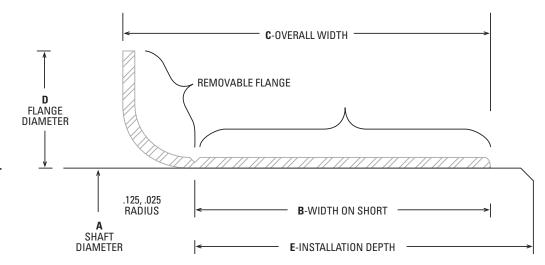


Assembly dimensions

Timken Style VS4

KWIK-SLEEVE™ – COMPONENTS

Put the new technology found in KWIK- Sleeve™ – Components to work for you. Use KWIK-Sleeves to restore worn yokes and shafts, giving them new life. KWIK-Sleeves are so hard, wear resistant and friction free; it will set new standards for trouble free sleeving.



The concept of a thin wall flanged sleeve is popular for

fast sleeving of shafts and yokes. However, the results often fall short of expectations. The soft sleeves lack durability and operate with too much resistance, resulting in excessive heat and failures.

KWIK-Sleeves minimize these problems and provide a longlife sleeve at an affordable price.

The innovative technology used in KWIK-Sleeves will set the new standard in the industry.

The KWIK Sleeve Difference:

Hard Chrome Coating

KWIK-Sleeves stainless steel sleeves are hard chromed for extended life.

Lower Coefficient of Friction

The stainless steel finish provides a smoother surface and has a lower coefficient of friction, reducing heat and seal wear.

Better Seal Fit

KWIK-Sleeves minimize the change to the original shaft diameter. This provides a better fit between the repaired shaft and seal.

Conversion Chart

Inch Fraction	Decimal	0	1 1	2 2	3 3	4 4	5 5	6 6	7 7	8 8	9 9	10 10	11 11	12 12
0	-	-	25.400	50.800	76.200	101.600	127.000	152.400	177.800	203.200	228.600	254.001	279.401	304.801
1/64	0.0156	0.396	25.796	51.196	76.596	101.996	127.396	152.797	178.197	203.597	228.997	254.397	279.797	305.197
1/32	0.0313	0.795	26.195	51.595	76.995	102.395	127.795	153.195	178.595	203.995	229.395	254.796	280.196	305.596
3/64	0.0469	1.191	26.591	51.991	77.391 77.788	102.791	128.192 128.588	153.592	178.992	204.392	229.792	255.192	280.592	305.992
1/16 5/64	0.0625 0.0781	1.588 1.984	26.988 27.384	52.388 52.784	78.184	103.188 103.584	128.984	153.988 154.384	179.388 179.784	204.788 205.184	230.188 230.584	255.588 255.984	280.988 281.384	306.388 306.784
3/32	0.0761	2.383	27.783	53.183	78.583	103.983	129.383	154.783	180.183	205.583	230.983	256.383	281.783	307.183
7/64	0.1094	2.779	28.179	53.579	78.979	104.379	129.779	155.179	180.579	205.979	231.379	256.779	282.179	307.579
1/8	0.1250	3.175	28.575	53.975	79.375	104.775	130.175	155.575	180.975	206.375	231.775	257.176	282.576	307.976
9/64	0.1406	3.571	28.971	54.371	79.771	105.171	130.572	155.972	181.372	206.772	232.172	257.572	282.972	308.372
5/32	0.1563	3.970	29.370	54.770	80.170	105.570	130.970	156.370	181.770	207.170	232.570	257.971	283.371	308.771
11/64	0.1719	4.366	29.766	55.166	80.566	105.966	131.367	156.767	182.167	207.567	232.967	258.367	283.767	309.167
3/16	0.1875	4.763	30.163	55.563	80.963	106.363	131.763	157.163	182.563	207.963	233.363	258.763	284.163	309.563
13/64	0.2031	5.159	30.559	55.959	81.359	106.759	132.159	157.559	182.959	208.359	233.759	259.159	284.559	309.959
7/32	0.2188	5.558	30.958	56.358	81.758	107.158	132.558	157.958	183.358	208.758	234.158	259.558	284.958	310.358
15/64 1/4	0.2344 0.2500	5.954 6.350	31.354 31.750	56.754 57.150	82.154 82.550	107.554 107.950	132.954 133.350	158.354 158.750	183.754 184.150	209.154 209.550	234.554 234.950	259.954 260.351	285.354 285.751	310.754 311.151
17/64	0.2656	6.746	32.146	57.130	82.946	108.346	133.747	159.147	184.547	209.947	235.347	260.747	286.147	311.547
9/32	0.2813	7.145	32.545	57.945	83.345	108.745	134.145	159.545	184.945	210.345	235.745	261.146	286.546	311.946
19/64	0.2969	7.541	32.941	58.341	83.741	109.141	134.542	159.942	185.342	210.742	236.142	261.542	286.942	312.342
5/16	0.3125	7.938	33.338	58.738	84.138	109.538	134.938	160.338	185.738	211.138	236.538	261.938	287.338	312.738
21/64	0.3281	8.334	33.734	59.134	84.534	109.934	135.334	160.734	186.134	211.534	236.934	262.334	287.734	313.134
11/32	0.3438	8.733	34.133	59.533	84.933	110.333	135.733	161.133	186.533	211.933	237.333	262.733	288.133	313.533
23/64	0.3594	9.129	34.529	59.929	85.329	110.729	136.129	161.529	186.929	212.329	237.729	263.129	288.529	313.929
3/8	0.3750	9.525	34.925	60.325	85.725	111.125	136.525	161.925	187.325	212.725	238.125	263.526	288.926	314.326
25/64	0.3906	9.921	35.321	60.721	86.121	111.521	136.922	162.322	187.722 188.120	213.122	238.522	263.922	289.322	314.722
13/32 27/64	0.4063 0.4219	10.320 10.716	35.720 36.116	61.120 61.516	86.520 86.916	111.920 112.316	137.320 137.717	162.720 163.117	188.517	213.520 213.917	238.920 239.317	264.321 264.717	289.721 290.117	315.121 315.517
7/16	0.4219	11.113	36.513	61.913	87.313	112.713	138.113	163.117	188.913	214.313	239.713	265.113	290.117	315.913
29/64	0.4531	11.509	36.909	62.309	87.709	113.109	138.509	163.909	189.309	214.709	240.109	265.509	290.909	316.309
15/32	0.4688	11.908	37.308	62.708	88.108	113.508	138.908	164.308	189.708	215.108	240.508	265.908	291.308	316.708
31/64	0.4844	12.304	37.704	63.104	88.504	113.904	139.304	164.704	190.104	215.504	240.904	266.304	291.704	317.104
1/2	0.5000	12.700	38.100	63.500	88.900	114.300	139.700	165.100	190.500	215.900	241.300	266.701	292.101	317.501
33/64	0.5156	13.096	38.496	63.896	89.296	114.696	140.097	165.497	190.897	216.297	241.697	267.097	292.497	317.897
17/32	0.5313	13.495	38.895	64.295	89.695	115.095	140.495	165.895	191.295	216.695	242.096	267.496	292.896	318.296
35/64	0.5469	13.891	39.291	64.691	90.091	115.491	140.892	166.292	191.692	217.092	242.492	267.892	293.292	318.692
9/16 37/64	0.5625 0.5781	14.288 14.684	39.688 40.084	65.088 65.484	90.488 90.884	115.888 116.284	141.288 141.684	166.688 167.084	192.088 192.484	217.488 217.884	242.888 243.284	268.288 268.684	293.688 294.084	319.088 319.484
19/32	0.5938	15.083	40.483	65.883	91.283	116.683	142.083	167.084	192.464	218.283	243.683	269.083	294.064	319.883
39/64	0.6094	15.479	40.879	66.279	91.679	117.079	142.479	167.879	193.279	218.679	244.079	269.479	294.879	320.279
5/8	0.6250	15.875	41.275	66.675	92.075	117.475	142.875	168.275	193.675	219.075	244.475	269.876	295.276	320.676
41/64	0.6406	16.271	41.671	67.071	92.471		143.272	168.672		219.472	244.872	270.272	295.672	321.072
21/32	0.6563	16.670	42.070	67.470		118.270	143.670	169.070			245.271	270.671	296.071	321.471
43/64		17.066		67.866		118.666		169.467			245.667	271.067	296.467	321.867
11/16	0.6875	17.463		68.263	93.663	119.063		169.863			246.063	271.463	296.863	322.263
45/64	0.7031	17.859	43.259	68.659	94.059	119.459		170.259			246.459	271.859	297.259	322.659
23/32 47/64	0.7188 0.7344	18.258 18.654	43.658 44.054	69.058 69.454	94.458 94.854	119.858 120.254		170.658 171.054		221.458 221.854	246.858 247.254	272.258 272.654	297.658 298.054	323.058 323.454
3/4	0.7500	19.050	44.450	69.850	95.250	120.254		171.054		222.250	247.254	273.051	298.451	323.851
49/64	0.7656	19.446		70.246	95.646	121.046		171.847			248.047	273.447	298.847	324.247
25/32	0.7813	19.845		70.645	96.045	121.445		172.245			248.446	273.846	299.246	324.646
51/64	0.7969	20.241	45.641	71.041	96.441	121.842		172.642			248.842	274.242	299.642	325.042
13/16	0.8125	20.638	46.038	71.438	96.838	122.238		173.038	198.438	223.838	249.238	274.638	300.038	325.438
53/64	0.8281	21.034	46.434	71.834	97.234	122.634		173.434		224.234	249.634	275.034	300.434	325.834
27/32	0.8438	21.433	46.833	72.233	97.633	123.033		173.833			250.033	275.433	300.833	326.233
55/64	0.8594	21.829	47.229	72.629	98.029	123.429		174.229		225.029	250.429	275.829	301.229	326.629
7/8	0.8750	22.225		73.025 73.421	98.425	123.825		174.625			250.826	276.226	301.626	327.026
57/64 29/32	0.8906 0.9063	22.621 23.020	48.021	73.421	98.821 99.220	124.221	149.622	175.022		225.822 226.220	251.222 251.621	276.622 277.021	302.022 302.421	327.422 327.821
<u> </u>	0.9003	23.416		74.216		125.017		175.420		226.617	252.017	277.417	302.421	328.217
15/16	0.9375	23.813						176.213			252.413	277.813	303.213	328.613
61/64	0.9531	24.209				125.809		176.609			252.809	278.209	303.609	329.009
31/32	0.9688	24.608	50.008	75.408	100.808	126.208	151.608	177.008	202.408	227.808	253.208	278.608	304.008	329.408
63/64	0.9844	25.004	50.404	75.804	101.204	126.604	152.004	177.404	202.804	228.204	253.604	279.004	304.404	329.804

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
							0.354	0.709 18	0.717 18.20	0.276	♦91807XX	350	S
0.156	,,,		5/32"				0.354	0.866	0.874 22.20	0.276	♦92207XX	350	S
0.156	0.500	0.504	0.187	340872	340	S	0.354	0.945 24	0.956 24.28	0.276	♦92407XX	350	S
0.236	,,,				6n	nm	0.354	1.024	1.035 26.28	0.276 7	♦92607XX	350	S
0.236	0.630	0.641	0.276	♦61607XX	350	S	0.375	,,		3/8"			
6 0.236	16 0.866	16.28 0.877	7 0.276	♦62207XX	350	S	0.075	0.500	0.574	0.405	0.40007	0.40	0
0.250	22	22.28	7				0.375 0.375 0.375 0.375	0.562 0.687 0.750 0.750	0.571 0.693 0.760 0.756	0.125 0.156 0.175 0.250	340827 311189 240385 340385	340 310 240 340	S S S S
0.250	0.500	0.509	0.125	343104	340	S	0.375	0.750	0.756	0.252	330385	330	S
0.250 0.250	0.750 0.750	0.760 0.759	0.175 0.244	240435 350435	240 350	S S	0.375 0.375	0.750 0.750	0.756 0.756	0.252 0.252	50385 50385S	50S 50S	H S
0.276	,,,				7n	nm	0.375 0.375	0.836 0.836	0.841 0.841	0.187 0.187	444258 474279N	440 470	S N
0.276	0.630	0.641	0.276	◆71607XX	320	S	0.375	0.875	0.880	0.250	473096	470	S
7 0.276	16 0.866	16.28 0.877	7 0.276	◆72207XX	350	S	0.375 0.375	0.875 0.999	0.884 1.004	0.311 0.250	350156 471103	350 470	S S
7	22	22.28	7				0.375	0.999	1.004	0.230	50197S	50S	S
0.312	,,		5/16"				0.394	,,				10 n	nm
0.312 0.312	0.500 0.625	0.509 0.635	0.125 0.175	340826 240698	340 240	S S	0.394	0.748	0.756	0.276	◆101907XX	350	S
0.312 0.312	0.689 0.749	0.690 0.753	0.313 0.250	712022 712021	# #	S S	0.394	19 0.748	19.20 0.757 19.23	0.276	♦ 221040	350	S
0.312	0.750	0.759	0.252	350364	350	S	10 0.394 10	19 0.866 22	0.877 22.28	0.276	◆102207XX	320	S
0.312	0.999	1.003	0.375	470195	470	S	0.394	0.945 24	0.954 24.23	0.276	◆102407XX	350	S
0.312	1.250	1.254	0.375	50445	50S	S	0.394	0.984 25	0.995 25.28	0.276 7	◆102507XX	320	S
0.315	,,				8n	nm	0.204	1 004	1 000	0.070	*100007VV	200	
0.315	0.551	0.559	0.157	♦81404XX	350	S	0.394 10	1.024 26	1.033 26.23	0.276 7	◆102607XX	320	S
0.315	0.630	14.20 0.638	0.236	♦ 220860	350	S	0.408	"					
0.315 8	16 0.630 16	16.20 0.639 16.23		♦81607XX	350	S	0.408	1.004	1.008	0.208	4701	490	N
0.315	0.709	0.717 18.20	-	♦81805XX	350	S	0.408	1.004	1.008	0.208	4701N	490	N
0.315	0.709 18	0.717 18.20		♦ 220818	320	S	0.433	"				11n	nm
0.315	0.709	0.717		♦81807XX	320	s	0.433	0.669 17	0.679 17.25	0.157	◆111704XX	320	S
0.315	18 0.866	18.20 0.877	7 0.27 <u>6</u>	♦82207XX	320	S	0.433 11	0.866 22	0.877 22.28	0.276 7	♦112207XX	350	S
0.315	0.945	22.20 0.956		♦82407XX	350	S	0.433	0.866	0.875 22.23		♦ 221122	350	S
0.254	24	24.28	7		_0.	o na	0.433	1.024	1.035 26.28	0.276 7	◆112607XX	350	S
0.354					911	nm							
0.354 9	0.709 18	0.717 18.20	0.276 7	♦ 220918	350	S							
									. 5: 1:11		Ri-Directional Heliv		17

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
							0.500	0.843	0.848	0.250	312196	310	S
0.437 0.437 0.437 0.437 0.437 0.437	0.625 0.875 0.875 0.875 0.875 0.999	0.634 0.885 0.881 0.881 1.005	0.126 0.175 0.252 0.252 0.250	343101 240470 472810 50470S 50199S	340 240 470 50S 50S	\$ \$ \$ \$ \$ \$	0.500 0.500 0.500 0.500 0.498	0.874 0.875 0.875 0.875 0.998	0.883 0.879 0.879 0.879 1.007	0.125 0.187 0.218 0.313 0.251	342613 330699 43080S 712019 41442S	340 330 40S # 40S	S S S S S
0.437 0.437 0.437 0.437	0.999 1.000 1.124 1.124	1.003 1.009 1.128 1.128	0.375 0.250 0.250 0.406	470199 6863S 474277 453059	470 350 470 450	S S S	0.500 0.500 0.500 0.500 0.500	0.999 0.999 0.999 0.999	1.010 1.005 1.005 1.005 1.005	0.175 0.252 0.252 0.252 0.252	240119 410119 470119 471442 471442A	240 410 470 470 470	S S S A
0.468 0.468	1.124	1.126	0.375	470004	470	S	0.500 0.500 0.500 0.500	0.999 1.000 1.003 1.124	1.005 1.009 1.009 1.128	0.252 0.252 0.250 0.250	471442V 450119 1041 41526S	470 450 480 40S	V S S S
0.472	,,				12n	nm	0.500	1.124	1.130	0.250	450005	450	S
0.472 12 0.472 12 0.472	0.748 19 0.787 20 0.866	0.756 19.20 0.798 20.28 0.876	5 0.197 5	◆121905XX ◆122005XX ◆122207XX	320 320 350	S S	0.500 0.500 0.500 0.500 0.500	1.124 1.124 1.124 1.156 1.250	1.130 1.128 1.128 1.166 1.256	0.252 0.252 0.252 0.250 0.250	470005 471526 471526A 324112 470014	470 470 470 320 470	S S A S S
12 0.472 12 0.472 12 0.472	0.866 22 0.866 22 0.866 22	22.25 0.876 22.25 0.875 22.23	7 0.276 7	◆221207 ◆221208	350 350 350	s V	0.500 0.500 0.500 0.500	1.250 1.250 1.375 1.375	1.256 1.256 1.379 1.379	0.250 0.250 0.250 0.312	471472 471472V 471549 471555	470 470 470 470	S V S S
0.472	0.945 24	0.954 24.23	0.276	◆122407XX	320	S	0.500 0.512	1.378	1.382	0.406	472467	470 13 n	s nm
0.472 12 0.472 12 0.472 0.472	0.984 25 0.984 25 1.000 1.024 26	0.992 25.20 0.994 25.25 1.006 1.031 26.20	0.177 4.50 0.276 7 0.375 0.276	◆12X25045XX ◆122507XX 320457 ◆122607XX	320 480 320 320	S S S	0.512 13 0.512 13 0.512	0.866 22 0.866 22 1.024	0.874 22.20 0.874 22.20 1.031	6	◆132206XX ◆710348 ◆132607XX	320 320 320	S S S
0.472	1.102	1.110	0.276	◆122807XX	350		13 0.512 13	26 1.102 28	26.20 1.110 28.20	7	◆132807XX	320	S
12 0.472 12	28 1.181 30	28.20 1.189 30.20	7	◆123007XX	350	S	0.512 13	1.181 30	1.189 30.20	0.276 7	♦133007XX	320	S
0.472 12 0.472	1.260 32 1.378	1.268 32.20 1.386	7	◆123207XX ◆123507XX	350 320	S S	0.531	,,					
12	35	35.20	7		020		0.531	1.124	1.128	0.312	471530	470	S
0.490	,,						0.551	,,				14n	nm
0.490 0.490	0.875 1.122	0.883 1.132	0.250 0.265	340771 351028	340 350	S S	0.551 14	0.945	0.954	6	♦ 221410	350	S
0.500	,,		1/2"				0.551 14 0.551	0.945 24 0.945	0.954 24.23 0.952	7 0.500	◆142407XX ◆2004	350 #	S S
0.500 0.500 0.500 0.500	0.687 0.749 0.750 0.750	0.696 0.753 0.759 0.756	0.094 0.093 0.125 0.126	342805 43095S 340847 8792S	340 40S 340 310	S S S S	14 0.551 14	24 0.984 25	24.17 0.993 25.23	12.70 0.197 5	◆142505XX	320	S

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
0.551 14	0.984 25	0.993 25.22	0.276 7	◆ 710116	320	N	0.591 15	1.457 37	1.465 37.20	0.236 6	◆153706XX	320	S
0.551 0.551	1.000 1.024	1.004	0.312 0.276	473546 ◆142607XX	470 320	S S	0.591	1.575 40	1.583 40.20	0.276 7	◆154007XX	320	S
0.551	26 1.063	26.23 1.071	7 0.276	◆142707XX	320	S	0.593	"					
0.5 51	27 1.102	27.20 1.111	0.236	◆142806XX	350	S						2.12	_
0.551	28 1.181	28.23 1.189		♦143007XX	320	S	0.593 0.593	0.935 1.124	0.943 1.128	0.175 0.312	340797 471532	340 470	S S
14	30	30.20	7				0.593 0.593	1.250 1.375	1.254 1.379	0.312 0.312	473405 471558	470 470	S S
0.551 14	1.260 32	1.268 32.20	0.276 7	♦143207XX	320	S	0.610	"					
0.551 14	1.378 35	1.387 35.22	0.276 7	♦143507XX	350	S	0.010						
0.560	,,,		9/16"				0.610	1.102	1.108	0.598	710274	680	V
0.562			9/10				0.614	"					
0.562 0.562	0.750 0.999	0.754 1.005	0.094 0.250	712028 472705	# 470	S S	0.614	0.999	1.006	0.250	340724	340	S
0.562 0.562	1.004 1.246	1.008 1.250	0.254 0.375	718610 450536	470 450	N S	0.625	,,		5/8"			
0.562	1.250	1.254	0.250	471535	470	S	0.023			3/0			
0.563	,,,		9/16"				0.625 0.625	0.812 0.875	0.821 0.880	0.094 0.125	340387 253747	340 250	S S
0.563	0.875	0.881	0.188	314259	310	S	0.625 0.625	0.875 0.937	0.881 0.945	0.126 0.187	340849 7399S	340 240	S S
0.563 0.563	1.125 1.378	1.131 1.384	0.252	471281 471551	470 470	S S	0.625	0.937	0.943	0.188	343105	340	S
0.591			13/22'				0.625	0.999	1.005	0.252	7188S	330	S
0.551			13/22				0.625 0.625	1.000	1.006	0.125 0.252	314267N 351487	310 350	N S
15 0.591	0.000 0.787	1.102 0.791	0.276 0.197	♦ 710346	490	S	0.625 0.625	1.124 1.124	1.135 1.133	0.175 0.250	240009 340009	240 340	S S
15 0.591	20 0.945	20.10 0.954	5 0.276	♦152407XX	350	S	0.625	1.124	1.133	0.250	340009S	340	S
15 0.591	24 0.945	24.23 0.953	7 0.276	♦ 2027	350	S	0.625	1.124	1.133	0.250	41466S	40S	S
15 0.591	24 0.984	24.20 0.992	7	◆152505XX		S	0.625 0.625	1.124	1.130	0.250	450009 470009	450 470	S
15	25	25.20	5				0.625	1.124	1.128	0.252	471466	470	S
0.591	0.984 25	0.994 25.25	0.236	♦ 221510	320	N	0.625 0.625	1.124 1.124	1.128 1.128	0.252 0.252	471466A 471466V	470 470	A V
0.591	0.984 25	0.992 25.20		♦152507XX	350	S	0.625 0.625	1.124 1.124	1.128 1.128	0.312 0.375	410791V 712017	410 #	V S
0.591	1.024 26	1.033 26.23		♦152607XX	350	S	0.625	1.124	1.128	0.375	712024	#	S
0.591	1.102	1.110 28.20		♦152807XX	320	S	0.625	1.125	1.134	0.252	351466	350	S
0.591	1.181	1.190 30.23		♦153007XX	350	S	0.625 0.625	1.181 1.250	1.185 1.254	0.350 0.250	471291V 41264S	470 40S	V S
	30	JU.23					0.625 0.625	1.250 1.250	1.256 1.259	0.252	470018 471264	470 470	S S
0.591 15	1.181 30	1.190 30.23	0.276 7	♦ 221540	350	S			00				
0.591 15	1.260 32	1.268 32.20	7	◆153207XX	350	S	0.625 0.625	1.250 1.250	1.259 1.256	0.252 0.311	471264A 450535	470 450	A S
0.591 15	1.260 32	1.269 32.22	0.315 8	♦153208XX	350	S	0.625 0.625	1.374 1.375	1.383 1.385	0.251 0.175	351255 240023	350 240	S S
0.591 15	1.378 35	1.387 35.23	0.276 7	♦153507XX	350	S						•	-

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
0.625	1.375	1.381	0.252	470023	470	S						,	
-							0.669	"					
0.625 0.625	1.375 1.375	1.381 1.379	0.252 0.252	470557 471255	470 470	S S	0.000	0.010	0.000	0.400	710001	440	_
0.625	1.375	1.379	0.252	471255A	470	Ä	0.669 0.669	0.819 0.984	0.823 0.990	0.122	710361 ◆710362	440 490	S S
0.625 0.625	1.375 1.499	1.379 1.505	0.252 0.252	471255V 471564	470 470	V S	17	25	25.15	5			
0.023	1.433	1.505	0.232	47 1304	470		0.669 17	1.063 27	1.071 27.20	0.276 7	♦172707XX	320	S
0.625	1.574	1.580	0.311	471612	470	S	0.669	1.102 28	1.111 28.23	0.276	◆172807XX	350	S
0.625	1.624	1.628	0.312	471653	470	S	0.669	1.102	1.111	-	♦ 221710	350	S
0.625	1.624	1.628	0.437	471024	470	S	17	28	28.22	7			
0.630	,,				16n	nm	0.669	1.181	1.190	0.276	◆173007XX	350	S
0.630	0.866	0.874	0.157	◆162204XX	320	S	17 0.669	30 1.181	30.23 1.190	7 0.276	♦ 221720	470	S
16	22	22.20	4				17	30	30.23	7			
0.630 16	0.945 24	0.953 24.20	0.236	◆162406XX	320	S	0.669 17	1.260 32	1.269 32.22	0.276 7	♦173207XX	350	S
0.630 16	0.945 24	0.953 24.20	0.276	◆162407XX	320	S	0.669	1.260 32	1.269 32.23	0.276 7	♦ 221730	350	S
0.630	0.984	0.992	0.197	◆162405XX	350	S	0.669	1.339	1.344	0.311	◆ 710251	470	Ν
16 0.630	25 1.024	25.20 1.031	5 0.276	♦162607XX	320	S	17	34	34.14	7.90			
16	26	26.20	7	7.0207701	0_0		0.669	1.378	1.385	0.276	◆173507XX	350	S
0.630	1.024	1.028	0.276	710243	250	S	17 0.669	35 1.378	35.18 1.387	7 0.276	♦ 221735	350	S
0.630	1.063	1.071	0.551	♦ 221607	#	N	17 0.669	35 1.378	35.23	7			S
16 0.630	27 1.072	27.20 1.076	14 0.354	714662	470	V	17	35	1.386 35.20	8	◆173508XX	350	3
0.630 16	1.102 28	1.110 28.23	0.276 7	◆162807XX	350	S	0.669 17	1.457 37	1.465 37.20	0.276	♦173707XX	320	S
0.630	1.102	1.111	0.276	♦ 221610	320	Ν	0.669	1.496	1.504	0.276	♦173807XX	320	S
16	28	28.22	7				17	38	38.20				
0.630	1.181	1.190		◆163007XX	350	S	0.669	1.575 40	1.584 40.23	0.276 7	◆174007XX	350	S
16 0.630	30 1.181	30.23 1.190	7 0.276	♦ 221620	350	S	0.669	1.850	1.858		◆174707XX	350	S
16 0.630	30 1.260	30.23 1.271	7 0.276	◆163207XX	320	S	0.669	47 1.850	47.20 1.858	7 0.315	♦174708XX	320	S
16	32	32.28	7				17	47	47.20	8	, , , , , , , , , , , , , , , , , , , ,	0_0	
0.630 16	1.378 35	1.387 35.23	0.276 7	◆163507XX	350	S	0.685	"				17n	am
0.630	1.496 38	1.504 38.20	0.276 7	◆163807XX	320	S	0.000					171	
		30.20					0.685	1.181	1.190		◆ 710344	320	S
0.630	1.575	1.583		◆164007XX	320	S	17	30	30.23	7			
16 0.630	40 1.762	40.20 1.770	7 0.354	714616	#	V	0.687	""		11/16'	,		
0.656	,,						0.007	4 404	4.400	0.050	474.500	470	0
0.656							0.687 0.687	1.124 1.187	1.130 1.191	0.252 0.187	471529 474261	470 470	S S
0.656	1.124	1.128	0.250	481528	480	S	0.687	1.250	1.256	0.250	471538	470	S
0.656	1.250	1.258	0.250	340469	340	S	0.687	1.250	1.256	0.250	481538	480	S
0.656	1.250	1.254	0.250	481537	480	S	0.687	1.250	1.256	0.250	481538V	480	V
0.656 0.656	1.376 1.575	1.382 1.579	0.250	481073	480 480	S S	0.007	1.050	1.051	0.050	07700	050	0
0.030	1.575	1.579	0.250	481397	400	3	0.687 0.687	1.250 1.374	1.254 1.380	0.250 0.311	8773S→ 450025	250 450	S S
0.668	,,						0.687	1.374	1.379	0.311	450025 471553	470	S
0.000							0.687	1.375	1.379	0.406	470025	470	Š
0.668	1.187	1.191	0.185	481481	480	S	0.687	1.499	1.503	0.312	471579	470	S
							0.687	1.624	1.628	0.250	471642	470	s
							0.007	1.52		0.200		-170	
20				·									

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
0.689	,,				17.50n	nm	0.736	,,,					
0.689 17.50	1.083 27.50	1.092 27.74	0.276 7	◆ 710299	660	N	0.736	1.378	1.386	0.276	710272	320	N
0.690	,,						0.737	,,,					
0.690	0.997	1.003	0.295	3667	2710	S	0.737	1.375	1.379	0.343	473416	470	S
0.701	,,						0.748	"		3/4"		19n	nm
0.701	1.160	1.164	0.250	331173	330	S	0.748	1.063	1.071 27.20	6	◆192706XX	350	S
0.709	,,				18n	nm	0.748 19 0.748	1.181 30 1.181	1.190 30.23 1.189	0.197 5 0.276	◆221920 ◆193007XX	320 320	S S
0.709	0.906	0.915		◆ 710297	340	S	19 0.748 19	30 1.260 32	30.20 1.268 32.20	7	◆193207XX	350	S
0.709 0.709	1.024 1.102	23.24 1.028 1.111	0.157 0.236	710222 ◆1015	980 350	S S	0.748 19	1.260	1.268 32.20	0.315 8	◆193208XX	320	S
18 0.709 18	28 1.102 28	28.22 1.111 28.22	0.236	◆1015N	350	S	0.748	1.260	1.269 32.23	0.315	♦ 221922	320	S
0.709 18	1.102 28	1.113 28.28	0.236 6	◆182806XX	350	S	0.748 19	1.378 35	1.387 35.23	0.315	◆ 710445	350	S
0.709	1.181	1.185 30.10	0.264 6.70	♦ 3816	2710	S	0.748 19 0.748	1.378 35 1.378	1.387 35.23 1.387	0.394 10 0.394	◆193510XX ◆710273	350 350	S S
0.709	1.181 30	1.190 30.23	0.276	◆183007XX	350	S	19 0.748	35 1.417	35.23 1.426	10	◆221925	350	s
0.709 18	1.181	1.190 30.23	0.315	♦ 221820	320	S	19	36	36.23	6.50			
0.709 18	1.260	1.268	0.276	◆183207XX	350	S	0.748 19	1.496 38	1.505 38.23	0.276 7	◆ 710154	320	S
0.709 18	1.260 32	1.269 32.23	0.276	♦ 221830	350	S	0.748 19 0.748	1.575 40	1.584 40.23	0.394	◆194010XX	350	S S
0.709	1.260 32	1.269 32.23	0.276	♦ 710156	320	S	19	1.850 47	1.858 47.20	0.276 7	◆194707XX	320	5
0.709 18	1.260	1.269 32.22	0.315	◆183208XX	350	S	0.750	"		3/4"			
0.709 18	1.339	1.348 34.24	7	◆710412	320	S	0.750	1.000	1.009	0.125 0.126	342518	340	S
0.709 18 0.709	1.378 35 1.457	1.385 35.18 1.465	7	◆183507XX ◆183708XX	320 320	S S	0.750 0.750 0.750	1.000 1.000 1.000	1.006 1.006	0.126 0.126 0.126	240735 312518 727410	240 310 440	S S S
18	37	37.20	8	¥100700XX	020		0.750	1.031	1.006 1.035	0.313	7214	490	S
0.709 18	1.496 38	1.504 38.20	7	◆183807XX	320	S	0.750 0.750	1.062 1.063	1.071 1.067	0.188 0.187	240816 7929S	240 330	S S
0.709 18	1.575 40	1.583 40.22	0.276 7	◆184007XX	350	S	0.750 0.750	1.124 1.124	1.130 1.133	0.189 0.189	254270 340495	250 340	S S
0.718	,,						0.750	1.125	1.131	0.156	343185	340	S
0.718	1.250	1.254	0.375	470506	470	S	0.750 0.750 0.750	1.125 1.125 1.250	1.131 1.131 1.254	0.189 0.189 0.250	1049 7750 41389S	330 480 40S	S S S
0.735	,,						0.750 0.750	1.250 1.250	1.256 1.256	0.250 0.250	480954 480954V	480 480	S V
0.735	1.248	1.252	0.250	472878	470	S							
													- 0.4

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
0.750 0.750 0.750 0.750 0.750	1.250 1.250 1.250 1.250 1.250	1.256 1.254 1.259 1.256 1.256	0.250 0.250 0.252 0.252 0.252	6835\$ 712027 350954 470141 470954	330 # 350 470 470	S S S S S	0.781 0.781 0.781 0.781	1.752 1.828 1.828 1.828	1.757 1.834 1.833 1.832	0.311 0.250 0.250 0.437	471337 450034 474273 470034	470 450 470 470	S N S S
0.750 0.750 0.750 0.750 0.750	1.250 1.250 1.250 1.250 1.250	1.256 1.256 1.254 1.259 1.256	0.252 0.252 0.280 0.313 0.374	470954A 470954V 2287 350679 450141	470 470 2740 350 450	A V S S S	0.787 0.787 20 0.787 20	1.024 26 1.102 28	1.033 26.24 1.110 28.20	0.236 6	◆710249 ◆202806XX	970 320	s s
0.750 0.750 0.750 0.750 0.750	1.250 1.302 1.311 1.311 1.312	1.254 1.306 1.317 1.317 1.316	0.375 0.250 0.311 0.311 0.250	712014 474131 252450 7013S 480821	# 470 250 250 480	S S S S	0.787 20 0.787 20 0.787 20	1.181 30 1.181 30 1.260 32	1.192 30.28 1.190 30.23 1.269 32.23	7 0.276 7	◆203007XX ◆222025 ◆203207XX	350 350 350	S S S
0.750 0.750 0.750 0.750 0.750	1.375 1.375 1.375 1.375 1.375	1.379 1.381 1.381 1.381 1.381	0.250 0.252 0.252 0.252 0.252	40027S 450027 470027 470895 471554	40S 450 470 470 470	S S S S S	0.787 20 0.787 0.787 20 0.787 20 0.787	1.260 32 1.339 1.378 35 1.378 35 1.417	1.269 32.23 1.348 1.387 35.23 1.387 35.23 1.425	7 0.276 0.217 5.50 0.276 7	◆222020 222028 ◆222030→ ◆203507XX ◆203607XX	350 320 320 350 320	S S S S
0.750 0.750 0.750 0.750 0.750	1.375 1.375 1.375 1.375 1.499	1.381 1.381 1.381 1.379 1.505	0.252 0.252 0.252 0.406 0.252	471554A 471554V 7028 50027S 471567	470 470 250 450 470	A V S S S	0.787 20 0.787 20	1.417 36 1.457 37	36.20 1.426 36.22 1.465 37.20	7 0.276 7 0.276 7	◆222036 ◆203707XX	320 320	V S
0.750 0.750 0.750 0.750 0.750	1.561 1.561 1.575 1.624 1.624	1.565 1.565 1.584 1.630 1.630	0.375 0.375 0.311 0.252 0.252	450340 470340 471498 470211 471643	450 470 470 470 470	S S S S S	0.787 20 0.787 20 0.787 20	1.457 37 1.496 38 1.575 40	1.465 37.20 1.504 38.20 1.584 40.23	8 0.276 7	◆203708XX ◆203807XX ◆204007XX	320 320 350	s s s
0.750 0.750 0.750 0.750 0.750	1.752 1.752 1.828 1.874 1.983	1.756 1.756 1.832 1.880 1.987	0.250 0.312 0.375 0.252 0.250	471684 471698 473406 470390 473407	470 470 470 470 470	S S S S S	0.787 20 0.787 20 0.787	1.575 40 1.575 40 1.654	1.584 40.23 1.584 40.23 1.663	7 0.394 10	◆222050 ◆204010XX ◆204207XX	350 350 350	S S S
0.750 0.750 0.762	2.047 2.127	2.053 2.131	0.311 0.250	472649 472538	470 470	S S	20 0.787 20 0.787 20	1.654 42 1.850 47	42.25 1.659 42.15 1.859 47.22	10	◆204210XX ◆204707XX	320 350	s s
0.762 0.762	1.160 1.160	1.164 1.164	0.250 0.250	8750 8750S	330 330	S S	0.787 20 0.787 20	1.850 47 1.850 47	1.859 47.22 1.859 47.22	7 0.335 8.50	◆222060 ◆710342→	350 320	s s
0.781 0.781 0.781	1.250 1.250	1.254 1.254	0.250 0.375	470601 471540V	470 470	S V	0.787 20 0.796	2.047 52	2.055 52.20	0.276 7	◆205207XX	350	S
0.781 0.781 0.781	1.375 1.375 1.499	1.381 1.381 1.503	0.252 0.252 0.250	471443 481443 481568	470 480 480	S S S	0.796	1.499	1.503	0.625	6357S	920	S
0.781	1.624	1.628	0.250	481644	480	S							

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
0.812	,,		13/16"				0.866 22	1.417 36	1.425 36.20	0.276 7	◆223607XX	320	S
0.812	1.250	1.254	0.254	8609	470	S	0.866	1.457 37	1.466 37.23	0.276	◆223707XX	350	S
0.812 0.812	1.312 1.375	1.316 1.381	0.250 0.250	480889 353131	480 350	S S	0.866	1.496 38	1.504 38.20	0.276	◆223807XX	350	S
0.812 0.812	1.375 1.499	1.379 1.503	0.406 0.250	470204 474253	470 470	S S	0.866 22	1.496 38	1.504 38.20	0.315	♦ 222238	320	S
0.812	1.561	1.565	0.375	470515	470		0.866 22	1.496 38	1.504 38.20	0.315 8	◆223808XX	320	S
0.812 0.812	1.575 1.575	1.579 1.579	0.375 0.375	450588 470588	450 470	S S	0.866 22	1.575 40	1.581 40.16	0.276 7	♦ 1963	350	N
0.812 0.812	1.624 1.624	1.628 1.628	0.250 0.250	471645 471645V	470 470	S V	0.866 22	1.575 40	1.584 40.23	0.276 7	♦ 222240	350	S
0.812	1.752	1.756	0.250	471686	470	S	0.866 22	1.575 40	1.584 40.23	0.276 7	♦224007XX	350	S
0.812 0.812	1.828 1.874	1.832 1.878	0.375 0.250	473412 471729	470 470	S S	0.866 22	1.575	1.583	0.315	◆224008XX	350	S
0.813	"		13/16"	,			0.866 22 0.866	1.575 40 1.654	1.584 40.23 1.661	9	◆222242 ◆224207XX	320 320	N S
0.813	1.250	1.256	0.189	450431	450	S	22	42	42.20	7	▼ 224207 XX	320	
0.813 0.813	1.250 1.250 1.375	1.256 1.381	0.232 0.252	471539 450204	470 450	S S	0.866	1.654	1.661		◆224210XX	350	S
0.813 0.813	1.375 1.499	1.381	0.252	471231 450030	470 450	S	22 0.866 22	42 1.772 45	42.20 1.781 45.23	10 0.276 7	◆224507XX	350	S
0.040							0.866	1.772 45	1.781 45.24	0.315 8	♦222267←	320	Н
0.813 0.813	1.499 2.441	1.505 2.447	0.250 0.313	470592 472950	470 470	S S	0.866 22	1.850 47	1.859 47.23	0.276 7	♦224707XX	350	S
0.827	"				21 n	nm	0.874	."		7/8"			
0.827 21	1.378 35	1.386 35.20	0.276 7	♦213507XX	320	S	0.874	1.125	1.131	0.125	240733	240	S
0.827 21	1.378 35	1.386 35.20	0.315 8	◆213508XX	320	S	0.874	1.250	1.259	0.251	340483	340	S
0.843	"						0.875	,,,		7/8"			
0.843	1.374	1.378	0.312	472452	470	S	0.875 0.875	1.187 1.245	1.196 1.256	0.188 0.187	340850 5976S	340 340	S S
0.843 0.843	1.499 1.624	1.503 1.628	0.250 0.250	473413 473414	470 470	S	0.875 0.875	1.250 1.250	1.256 1.256	0.181 0.189	7840S 254287	310 250	S S
0.843	1.828	1.832	0.230	473415	470	S S	0.875	1.250	1.254	0.250	42280S	40S	S
0.860	,,						0.875 0.875	1.255 1.308	1.261 1.317	0.181 0.250	7014S 340413	40S 340	S S
0.860	1.437	1.441	0.250	482069N	480	N	0.875 0.875	1.308 1.308 1.375	1.317 1.317 1.379	0.250 0.187	353132 440131	350 440	S S
0.866	"				22 n	nm	0.875	1.375	1.381	0.250	321267	320	Š
0.866	1.260	1.269	0.276	♦ 222210	350	S	0.875 0.875	1.375 1.375	1.381 1.379	0.250 0.250	41267S 712015	40S #	S V
0.866 22	32 1.260	32.23 1.269	7	◆223207XX	350	S	0.875 0.875 0.875	1.375 1.375 1.375	1.384 1.384	0.252 0.252	350567 351267	350 350	S S
22 0.866	32 1.378	32.23 1.387	7	♦ 222220	320	S	0.875	1.375	1.381	0.252	470398	470	S
0.866	35 1.378	35.23 1.387		◆223507XX	350	S	0.875	1.375	1.381	0.252	470567	470	S
22	35	35.23	7				0.875 0.875	1.375 1.375	1.381 1.381	0.252 0.252	470567N 471267	470 470	N S
	# Special F	eature/Appli	cation •	Metric Seal * Check	for Availah	ility	← Left H	and Helix –	→ Right Hand	d Heli× ←	→ Bi-Directional Helix		23

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Mati
0.875	1.375	1.381	0.252	471267A	470	Α						-	
0.875	1.375	1.381	0.252	471267T	470	Т	0.945	"				24 n	nm
0.875	1.375	1.381	0.252	471267V	470	V	0.945	1.378	1.387	0.276	♦ 222410	350	S
0.875 0.875	1.375 1.436	1.379 1.441	0.312 0.256	38832 712270	940 480	T S	24	35 1.378	35.23 1.387	7	•042E07VV		S
0.875	1.499	1.503	0.250	471570	470	S	0.945 24	35	35.23	7	◆243507XX	350	
0.875	1.499	1.503	0.250	471570V	470	V	0.945 24	1.457 37	1.466 37.23	0.276 7	◆243707XX	350	S
0.875	1.499	1.505	0.252	40059S	40S	S	0.945 24	1.496 38	1.504 38.20	0.276	◆243807XX	320	S
0.875 0.875	1.500 1.500	1.506 1.506	0.311	470032	470	S S	0.945	1.575	1.584	0.276	♦ 222430	350	S
0.875	1.500	1.506	0.311 0.313	470680 450032	470 450	S	24	40	40.23	7			
0.875	1.500	1.506	0.313	450680	450	S	0.945	1.575	1.584	0.276	◆244007XX	350	S
0.075	1 575	1 501	0.250	250077	250		24	40	40.23	7			
0.875 0.875	1.575 1.577	1.581 1.581	0.250 0.250	350877 471633	350 470	S S	0.945 24	1.645 42	1.661 42.20	0.276 7	◆244207XX	320	S
0.875 0.875	1.624 1.624	1.634 1.630	0.187 0.250	240215 351646	240 350	S S	0.945 24	1.654 42	1.663 42.25	0.394	◆244210XX	320	S
0.875	1.624	1.630	0.252	470215	470	S	0.945	1.693	1.702	0.315	222450	250	S
-							0.945 24	1.850 47	1.859 47.23	0.276 7	◆244707XX	350	S
0.875 0.875	1.624 1.752	1.630 1.758	0.252 0.252	471646 470590	470 470	S S							
0.875	1.828	1.833	0.252	471137	470	S	0.945 24	2.047 52	2.055 52.20	0.276	◆245207XX	320	S
0.875 0.875	1.875 2.000	1.881 2.004	0.252 0.437	471730 450645	470 450	S S	24	52	52.20	1			
	2.000	2.004	0.407	+300+3			0.968	"					
0.875	2.000	2.004	0.437	470645	470	S	0.968	1.499	1.503	0.250	40208	40S	S
0.905	"						0.968	1.499	1.503	0.312	451583	450	S
							0.968 0.968	1.575 1.624	1.579 1.628	0.375 0.250	450545 471648	450 470	S S
0.905	1.260	1.268	0.197	222310	340	S	0.968	1.686	1.690	0.312	8059S	250	S
0.906	"				23 n	nm	0.968	1.752	1.756	0.250	471688	470	S
							0.968 0.968	1.850 1.874	1.854 1.878	0.375 0.437	482309 451082	480 450	S S
0.906 23	1.252 31.80	1.261 32.03	0.217 5.50	♦710254	340	S	0.968	2.048	2.052	0.437	482310	480	S
0.906 23	1.339 34	1.348 34.24	0.315 8	♦222330←	320	Ν	0.968	2.062	2.066	0.437	450339	450	S
0.906 0.906	1.499 1.828	1.503 1.832	0.390 0.437	470207 450038	470 450	S S	0.968	2.440	2.445	0.375	472238	470	S
					100		0.980	,,					
0.937			15/16"										
0.937	1.375	1.383	0.250	340787	340	S	0.980	1.500	1.506	0.252	472324	470	S
0.937 0.937	1.375 1.499	1.381 1.503	0.252 0.250	471015 471571	470 470	S S	0.984	"					
0.937	1.499	1.503	0.250	471571V	470	V							
0.937	1.499	1.503	0.250	481571V	480	V	25	35	35.20	6	. 000540	050	0
0.937	1.624	1.628	0.250	471647	470	S	0.984 25	1.378 35	1.383 35.13	7	♦ 222510	350	S
0.937	1.750	1.756	0.311	472951	470	S	0.984 25	1.378 35	1.388 35.25	0.276	◆253506XX	320	S
0.937 0.937	1.752 1.828	1.756 1.832	0.250 0.437	474252 470039	470 470	S S	0.984 25	1.378 35	1.388 35.25	0.276 7	♦ 712007	480	V
0.938	"		15/16"				0.984 25	1.417 36	1.426 36.23		◆253607XX	320	S
					450	C							
0.938	1.828	1.834	0.438	450039	450	S	0.984 25	1.417 36	1.426 36.22	0.315 8	◆253608XX	350	S

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
0.984	1.457	1.465	0.276	◆253707XX	320	S							
25 0.984 25	37 1.496 38	37.20 1.505 38.23	7 0.276 7	♦ 222535→	320	S	1.000)"		1"			
0.984	1.496	1.505		◆253807XX	350	S	1.000	1.247	1.253	0.187	343098	340	S
25 0.984	38 1.499	38.23 1.504	7 0.250	4458V	#	V	1.000 1.000	1.250 1.250	1.256 1.254	0.126 0.536	240731 6847S	240 #	S S
							1.000	1.312	1.318	0.126	342517	340	S
0.980 0.980	1.500 1.500	1.506 1.506	0.252 0.252	472324A 472324V	470 470	A V	1.000	1.375	1.381	0.189	2064	330	S
0.984	1.500	1.508	0.410	6522S	340	Š	1.000	1.375	1.381	0.189	441130	440	S
0.984 25	1.575 40	1.584 40.23	0.276 7	♦ 222540	470	S	1.000	1.375	1.379	0.250	712026	#	S
0.984	1.575	1.583	0.276	◆254007XX	350	S	1.000 1.000	1.375 1.437	1.381 1.447	0.252 0.187	252277 240414	250 240	S S
25	40	40.22	7				1.000	1.437	1.441	0.250	330414	330	Š
0.984 0.984	1.575 1.575	1.583 1.584	0.276 0.315	710307 ◆710316→	320 320	N S	1.000	1.437	1.441	0.250	39910	TW	Т
25	40	40.23	8	♦ /10310→	320	3	1.000	1.437	1.441	0.250	472311	470	S
0.984	1.596	1.600	0.250	712018	# TM U	S T	1.000 1.000	1.437 1.437	1.441 1.443	0.250 0.252	472311V 350414	470 350	V S
0.984 0.984	1.614 1.654	1.618 1.661	0.315 0.236	39867 ◆254206XX	TW-H 350	S	1.000	1.438	1.444	0.250	42311S	40S	S
25	42	42.20	6				1.000	1.499	1.503	0.250	41224S	40S	S
0.984	1.654	1.665	0.315	222556→	320	Н	1.000	1.499	1.503	0.250	481224V	480	V
0.984	1.654	1.661	0.315	◆254208XX	320	S	1.000	1.499	1.503	0.250	712016	#	S S
25 0.984 25	42 1.654 42	42.20 1.665 42.28	0.394 10	◆254210XX	350	S	1.000 1.000	1.499 1.499	1.505 1.505	0.252 0.252	471224 471224A	470 470	A
0.984	1.752	1.756	0.313	712012	#	V	1.000	1.499	1.505	0.252	471224V	470	V
0.984 25	1.772 45	1.781 45.23	0.315 8	◆254508XX	350	S	1.000	1.499	1.503	0.232	5857	290	F
	40	40.20					1.000	1.499	1.503	0.390	450120	450	S
0.984 25	1.811 46	1.819 46.20	0.276 7	◆254607XX	320	S	1.000 1.000	1.500 1.500	1.509 1.509	0.252 0.311	340120 350909	340 350	S S
0.984	1.828	1.838	0.187	240457	240	S	1.000	1.500	1.506	0.311	450553	450	S
0.984 0.984	1.828 1.850	1.832 1.859	0.437 0.276	450457 ◆222560	450 350	S S	1.000	1.500	1.506	0.311	470120	470	S
25 0.984	47	47.22	7	◆254707XX	250	S	1.000 1.000	1.500 1.561	1.506 1.565	0.311 0.250	470553 471270	470 470	S S
25	1.850 47	1.859 47.23	7	♦ 254707 X X	350	<u> </u>	1.000	1.563	1.569	0.230	343123	340	S
0.984 25	1.890 48	1.898 48.20	0.315	◆254808XX	320	S	1.000	1.575	1.579	0.250	473380	470	S
0.984	1.969	1.980	0.394	◆255010XX	350	S	1.000 1.000	1.624 1.624	1.630 1.630	0.250 0.250	471649 471649A	470 470	S A
25 0.984	50 2.047	50.28 2.058	10 0.276	◆255207XX	350	S	1.000 1.000	1.624	1.630	0.250	471649V	470 470	V S
25 0.984	52 2.047	52.27 2.055	7	◆255208XX	350	S	1.000	1.624	1.630	0.311	470219	470	<u> </u>
25	52	52.20	8	▼ 233200XX	330	3	1.000	1.624	1.630	0.375	450219	450	S
0.984 25	2.047 52	2.055 52.20	0.394	◆255210XX	350	S	1.000	1.686	1.692	0.250	474250	470	S
		02.20					1.000 1.000	1.689 1.752	1.695 1.756	0.252 0.250	471465 40230S	470 40S	S S
0.984	2.062	2.066	0.437	450693	450	S	1.000	1.752	1.758	0.252	470230	470	S
0.984 25	2.441 62	2.452 62.28	0.394	♦ 222580	320	S	4.000	4 750	1 750	0.050	470544	470	
0.984	2.441	2.452	0.394	◆256210XX	320	S	1.000 1.000	1.752 1.752	1.758 1.758	0.252 0.252	470541 471689	470 470	S S
25	62	62.28	10				1.000	1.752	1.758	0.252	471689A	470	Α
0.987	"						1.000 1.000	1.752 1.752	1.758 1.756	0.252 0.313	471689V 712013	470 #	V S
0.987	1.282	1.288	0.438	450040	450	S	1.000 1.000	1.780 1.780	1.785 1.785	0.468 0.468	203005 203005S	2030 203	S S

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
1.000	1.780	1.785 1.787	0.468	205005 204005	2050 2040	F S	1.031	1.575	1.584	0.311	471076V	470	V
1.000	1.781 1.781	1.787	0.469 0.469	204005 204005S	2040	S	1.031	1.624	1.628	0.250	481650	480	S
1.000	1.828	1.834	0.295	450593	450	S	1.047						
1.000 1.000	1.828 1.828	1.832 1.832	0.296 0.437	470593 470041	470 470	S S	1.047	1.811	1.815	0.285	710053	480	S
1.000 1.000	1.874 1.936	1.880 1.948	0.252 0.187	471733 240462	470 240	S S	1.055	,,					
1.000	1.983	1.987	0.250	471744	470	S	1.055	1.499	1.500	0.268	480210	480	S
1.000 1.000	2.000 2.000	2.011 2.006	0.252 0.252	40157S 471760	40S 470	S S	1.062	"		1 1/16'	,		
1.000	2.000	2.006	0.252	471760A	470	Α	1.002			1/10			
1.000	2.000	2.006	0.252	471760V	470	V	1.062	1.499	1.507	0.250	340210	340	S
1.000	2.047	2.051	0.312	472138	470	S	1.062 1.062	1.575 1.624	1.581 1.633	0.250 0.251	3732S 471651	480 470	S S
1.000	2.062	2.066	0.250	471619	470	S	1.062	1.752	1.756	0.312	471705	470	S
1.000 1.000	2.062 2.441	2.066 2.447	0.375 0.375	453165 321516	450 320	S S	1.062	1.828	1.832	0.375	473419	470	S
1.000	2.441	2.445	0.375	471516	470	S	1.062	1.874	1.878	0.250	471735	470	S
							1.062	1.983	1.987	0.230	450342	450	S
1.000	2.533	2.537	0.250	472539	470	S	1.062	1.983	1.987	0.437	470342	470	S
1.004	"		1"				1.062 1.062	2.000 2.062	2.004 2.066	0.375 0.375	471772 473420	470 470	S S
1.004	1.516	1.525	0.335	710303	350	S	1.063	2.835	2.841	0.374	472953V	470	V
1.024	"				26n	nm	1.063	,,	•	1/16'	,	27 n	nm
1.024	1.457	1.465	0.276	◆263707XX	320	S	1.063	1.457 37	1.463	0.276	◆273707XX	350	S
26 1.024	37 1.496	37.20 1.504		◆263805XX	320	S	1.063	1.561	37.15 1.567	0.250	450188	450	S
26 1.024	38 1.496	38.20 1.504	5 0.315	222630	320	N	1.063 1.063	1.575 1.654	1.583 1.657	0.315 0.276	712009 222742	320 480	V V
1.024	1.575	1.583	0.276	◆264007XX	320	S	1.063	1.654	1.663	0.394	◆274210XX	350	S
26 1.024	40 1.654	40.20 1.661	7 0.276	◆264207XX	320	S	27	42	42.23	10			
26	42	42.20	7	¥20420777	020	O	1.063	1.686	1.691	0.313	470606	470	S
1.024	1.654	1.659	0.315	♦ 223606	480	S	1.063 27	1.693 43	1.702 43.23	0.276 7	◆ 710157→	320	S
26	42	42.14	8				1.063 27	1.693 43	1.701 43.20		◆274308XX	320	S
1.024 1.024	1.654 1.654	1.661 1.663		710399→ ◆264210XX	320 350	S S	1.063 27	1.693	1.702 43.23	0.354	◆ 1990→	320	Ν
26 1.024	42 1.732	42.23 1.740	10 0.315	710153	#	S	1.063	1.693	1.701		♦ 222743←	320	Н
1.024 26	1.850 47	1.859 47.23		◆264707XX	350	S	27	43	43.20	9			
1.024	1.890	1.899	0.276	◆222655→	320		1.063 27	1.772 45	1.781 45.25	0.315 8	◆274508XX	350	S
26	48	48.24	7				1.063 27	1.772 45	1.781 45.24	0.354 9	♦ 222745←	320	Ν
1.024 26	1.890 48	1.899 48.23	0.276 7	◆264807XX	320	S	1.063	1.828	1.834	0.250	450043	450	S
1.024 26	2.047 52	2.055 52.20		◆265208XX	320	S	1.063 27	1.850 47	1.859 47.23	10	◆274710XX	350	S
1.031	"						1.063	2.000	2.006	0.250	471762	470	S
						_	1.063 27	2.047 52	2.055 52.20	0.315 8	◆275208XX	350	S
1.031 1.031	1.499 1.575	1.503 1.584	0.390 0.311	50209 471076	50S 470	S S	1.063	2.835	2.841	0.374	472953	470	S

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
							1.125	1.502	1.506	0.250	312140	310	S
1.093 1.093 1.093	1.828 2.000	1.832 2.004	0.437 0.437	450044 450159	450 450	S S	1.125 1.125 1.125 1.125	1.561 1.561 1.561 1.561	1.572 1.567 1.567 1.567	0.187 0.250 0.250 0.250	240151 340151 352560 472560N	240 340 350 470	S S S N
1.100	"						1.125	1.561	1.567	0.250	7941	440	S
1.100 1.100	1.572 1.572	1.578 1.578	0.308 0.308	2503→ 2503N→	480 480	N N	1.125 1.125 1.125 1.125	1.563 1.564 1.624 1.624	1.569 1.568 1.628 1.628	0.252 0.250 0.190 0.250	50151S 43072S 3638→ 481652V	50S 40S 480 480	S S N V
1.102	"				28n	nm	1.125	1.624	1.630	0.252	471100	470	S
1.102 28 1.102 1.102 28 1.102	1.496 38 1.496 1.496 38 1.575	1.505 38.23 1.506 1.505 38.23 1.584	0.276 7 0.276 0.394 10 0.276	◆283807XX 712104→ ◆710347← ◆222820	350 TPDW 320 330	S 7 T S S	1.125 1.125 1.125 1.125 1.125	1.624 1.624 1.624 1.624 1.630	1.630 1.630 1.630 1.630 1.634	0.252 0.252 0.252 0.252 0.313	471652 471652A 471652V 482208 710285	470 470 470 480 #	S A V S S
28 1.102 28	40 1.575 40	40.23 1.585 40.26	7	◆284007XX	350	s 	1.125 1.125 1.125	1.752 1.752 1.752	1.758 1.758 1.758	0.250 0.250 0.313	471692 471692A 450189	470 470 450	S A S
1.102 28 1.102 28	1.575 40 1.575 40	1.583 40.20 1.584 40.23	8	◆284008XX ◆710325→	320 320	s s	1.125 1.125	1.752 1.752	1.758 1.758	0.313 0.313	470189 470189H	470 470	S H
1.102 28 1.102 1.102	1.614 41 1.614 1.654	1.625 41.27 1.618 1.663	0.276 7 0.315	◆222830 39869	320 #	N T S	1.125 1.125 1.125 1.125	1.780 1.781 1.781 1.828	1.785 1.790 1.787 1.834	0.250 0.409 0.469 0.311	204505 323133 204020 450045	2040 320 2040 450	S S S S
28	42	42.23	0.315 8	◆284208XX	350		1.125	1.828	1.832	0.312	476838	470	S
1.102 28 1.102 1.102	1.654 42 1.673 1.693	1.663 42.24 1.682 1.702	0.315 8 0.315 0.315	◆712008← 710216 710119	320 350 320	H S N	1.125 1.125 1.125 1.125 1.125	1.828 1.850 1.874 1.874 1.874	1.832 1.859 1.880 1.880 1.880	0.437 0.311 0.250 0.250 0.250	470045 350974 450236 470712 470712A	470 350 450 470 470	S S S A
1.102 28 1.102 28	1.732 44 1.732 44	1.741 44.22 1.741 44.23	0.236 6 0.236 6	◆222835 ◆284406XX	320 320	N N	1.125 1.125	1.874 1.874	1.880 1.880	0.250 0.311	470712V 470236	470 470	V S
1.102 28 1.102	1.772 45 1.850 47	1.780 45.20 1.859 47.22	8	◆284508XX ◆284707XX	320 350	s s	1.125 1.125 1.125	1.874 1.935 1.937	1.878 1.942 1.942	0.625 0.625 0.562	6704 6832S 203003	10S 2040 2030	
28 1.102 28 1.102 28	1.850 47 1.890 48	1.859 47.22 1.898 48.20	0.315 8	◆222860→ ◆284808XX	320 320	N S	1.125 1.125 1.125 1.125	1.937 1.983 1.983 2.000	1.942 1.989 1.987 2.004	0.625 0.250 0.375 0.250	205004 471747 472674 40160S	2050 470 470 40S	F S S
1.102 28	2.047 52	2.056 52.23		◆285207XX	350	S	1.125	2.000	2.006	0.252	471763	470	S
1.102	2.087	2.091	0.378	710433	#	S	1.125 1.125 1.125	2.000 2.000 2.047	2.006 2.006 2.053	0.252 0.252 0.311	471763A 471763V 472644	470 470 470	A V S
1.125			1 1/8"				1.125 1.125	2.047 2.062	2.053 2.066	0.311 0.250	472644V 471785	470 470	V S
1.125 1.125 1.125 1.125	1.374 1.438 1.500 1.500	1.383 1.444 1.504 1.509	0.125 0.215 0.250 0.250	340835 313842 1037 340815	340 310 350 340	S S S S	1.125 1.125 1.125 1.125	2.062 2.063 2.125 2.250	2.066 2.069 2.129 2.254	0.437 0.313 0.250 0.500	470241 450241 481792 450604	470 450 480 450	S S S
													27

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
1.125	2.250	2.254	0.500	470604	470	S	1.181 30	1.654 42	1.663 42.24	0.276 7	◆ 1970	350	S
1.125 1.125	2.437 2.441	2.441 2.445	0.468 0.250	450332 473259	450 470	S S	1.181	1.654 42	1.663 42.24	0.276	♦ 223010→	320	S
1.125 1.125	2.441 2.441	2.445 2.445	0.375 0.375	472681 472681V	470 470	S V	1.181	1.654 42	1.661 42.20	-	♦304207XX	350	S
1.125	2.533	2.537	0.250	472535	470	S	1.181 30	1.732	1.743 44.28	0.276 7	◆304407XX	250	S
1.125 1.125	2.835 2.835	2.841 2.841	0.374 0.374	472954 472954V	470 470	S V	1.181 30	1.732 44	1.741 44.22	0.354 9	♦ 223012→	320	N
1.125	2.875	2.879	0.468	450430	450	S	1.181 30	1.772 45	1.780 45.22	0.197 5	◆304505XX	320	S
1.126	,,		1 1/8"				1.181	1.772	1.781	0.236	♦ 223014	320	S
1.126	1.693	1.699	0.256	1989	470	S	30 1.181	45 1.772	45.24 1.781		♦ 1981→	350	Ν
1.142	"				29n	nm	30 1.181 30	45 1.772 45	45.24 1.780 45.20	8 0.315 8	◆304508XX	320	S
1.142	1.772	1.781	0.315	♦320595←	320	S	1.181 30	1.772 45	1.780 45.20	0.315	♦ 710359	#	S
29	45	45.24	8				1.181 30	1.772 45	1.780 45.20	0.591 15	♦ 2016	#	S
1.156	,,		5/32	,			1.181	1.811	1.820 46.23	0.276	♦ 223018→	320	S
1.156 1.156	1.686 1.686	1.690 1.690	0.250 0.375	474260 450502	470 450	S S	30 1.181 30	1.811	1.819 46.20	-	◆304607XX	320	S
1.156 1.156	1.752 1.752	1.756 1.756	0.312 0.312	471707 471707N	470 470	S N	1.181	1.811	1.820 46.23		♦ 712001→	320	N
1.156	1.828	1.832	0.437	450482	450	S	1.181 30	1.850 47	1.859 47.22	-	♦ 223020	350	S
1.156 1.156	1.874 1.984	1.878 1.988	0.250 0.250	471736 473428	470 470	S S	1.181 30	1.850 47	1.860 47.25		◆304707XX	350	S
1.156 1.156	2.000	2.006	0.311	450161 473427	450 470	S	1.181	1.890	1.901		◆304808XX	350	S
1.156	2.125	2.129	0.437	450362	450	S 	30 1.181 30	48 1.890 48	48.28 1.899 48.24	0.315 8	◆ 714619	350	S
1.156 1.156	2.125 2.834	2.129 2.839	0.437 0.375	470362 472239	470 470	S S	1.181 30	1.969 50	1.978 50.23	0.276	♦305007XX	350	S
1.175	,,						1.181 30	1.969 50	1.976 50.20	0.315 8	♦305008XX	480	S
1.175	1.771	1.775	0.275	483488→	480	S	1.181 30	1.969 50	1.978 50.24	0.354 9	◆ 223050←	320	S
1.175	1.828	1.832	0.312	483054N	480	Ň	1.181	2.047	2.058		♦ 223035	350	S
1.178	,,						30 1.181 30	52 2.047 52	52.27 2.056 52.23	7 0.276 7	◆305207XX	350	S
1.178	2.447	2.452	0.500	4813V→	860	V	1.181 1.181	2.126 2.165	2.134 2.176		710267 ◆305510XX	320 350	S S
1.181	,,						30 1.181 30	55 2.205 56	55.28 2.213 56.20	10 0.315 8	♦305608XX	350	S
1.181 1.181	1.457 1.575	1.461 1.584		710401 ◆1129	# 350	S S	1.181	2.283	2.287		♦ 3907	570	N
30 1.181	40 1.575	40.23 1.584		♦ 223005	480	S	30 1.181	58 2.441	58.09 2.452		♦306207XX	350	S
30 1.181 30	40 1.575 40	40.23 1.584 40.23	7 0.276 7	♦304007XX	350	S	30 1.181 30	62 2.835 72	62.28 2.845 72.27	7 0.394 10	◆307210XX	350	S

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
					-							· ·	
1.187	""		I 3/16"				1.220	"					
1.187 1.187 1.187	1.627 1.686 1.716	1.635 1.690 1.720	0.250 0.375 0.248	340817 470328 9487	340 470 680	S S S	1.220 1.220 31	1.654 1.732 44	1.661 1.740 44.20	0.315 0.315 8	710172 ◆314408XX	350 320	V S
1.187 1.187	1.752 1.828	1.758 1.832	0.252 0.375	473203 473425	470 470	S S	1.220 31 1.220	1.811 46 1.811	1.820 46.23 1.820	0.315 8 0.315	◆1121← ◆710332←	320 320	V N
1.187	1.874	1.880	0.252	472475	470	S	31	46	46.23	8		0_0	
1.187 1.187 1.187 1.187	1.983 1.996 2.000 2.000	1.987 2.000 2.004 2.006	0.375 0.250 0.250 0.252	473426 40576S 40162S 450162	470 40S 40S 450	S S S	1.238	2.250	2.254	0.500	8293S	480	S
							1.247		2.204	0.000	02000	400	
1.187 1.187 1.187 1.187	2.000 2.000 2.047 2.047	2.006 2.006 2.051 2.051	0.252 0.252 0.250 0.437	470162 471765 43076S 453063	470 470 40S 450	S S S S	1.247	-	2.633	0.480	8429S	#	S
1.187	2.062	2.068	0.250	471354	470	S	1.250	"		1 1/4"			
1.187 1.187 1.187 1.187 1.187	2.125 2.165 2.250 2.250 2.437	2.131 2.169 2.254 2.254 2.441	0.250 0.250 0.250 0.500 0.250	473205 472350 474255 470336 474254	470 470 470 470 470	S S S S S	1.250 1.250 1.250 1.250 1.250	1.250 1.499 1.500 1.625 1.685	1.838 1.509 1.509 1.634 1.694	0.187 0.156 0.125 0.188 0.188	240949 240736 343186 251511 340356	240 240 340 250 340	S S S S S
1.187 1.187 1.187	2.437 2.441 2.686	2.441 2.445 2.690	0.468 0.250 0.500	470347 474256 470946	470 470 470	S S S	1.250 1.250 1.250	1.686 1.686 1.686	1.691 1.692 1.691	0.188 0.219 0.250	240356 353135 473135V	240 350 470	S S V
1.188	77		3/16"	,			1.250 1.250	1.686 1.687	1.695 1.696	0.252 0.313	322353 323126	320 320	S S
1.188	2.440	2.446	0.251	472432	470	S	1.250	1.687	1.693	0.313	480356	480	S
1.189	"						1.250 1.250 1.250	1.688 1.750 1.751	1.694 1.754 1.757	0.252 0.250 0.251	474278 710014 470140N	470 # 470	S U N
1.189	1.654	1.657	0.236	710340	440	V	1.250	1.752	1.756	0.250	40140S	40S	S
1.190	1.687	1 000	0.050	404040	400	6	1.250 1.250 1.250	1.752 1.752 1.752	1.758 1.758 1.758	0.250 0.250 0.250	471413 471413A 471413V	470 470 470	S A V
1.192		1.693	0.252	481213	480	S	1.250 1.250	1.752 1.752	1.758 1.758	0.252 0.252	451709 712025	450 470	S S
1.192	2.122	2.128	0.350	710068	#	S	1.250 1.250 1.250	1.752 1.752 1.812	1.758 1.758 1.817	0.252 0.313 0.235	7412S 471709 39713	480 470 TDW-H	
1.218	,,						1.250 1.250	1.874 1.955	1.880 1.960	0.252 0.256	471737 3199	470 480	S S
1.218 1.218 1.218 1.218	1.968 1.979 1.983 2.000	1.972 1.983 1.987 2.004	0.468 0.250 0.437 0.437	203016 441319 450048 450173	2030 440 450 450	S S S S	1.250 1.250 1.250 1.250 1.250	1.955 1.968 1.969 1.979 1.979	1.960 1.972 1.975 1.985 1.985	0.256 0.468 0.469 0.252 0.406	3199S 6906S 203012 204507 203029	480 2040 2030 2040 2030	S S
1.219	1.979	1.985	0.406	203025	2030	S	1.250	1.979	1.983	0.406	204029	2040	
	1.073	1.000	0.400	200020	2000								29

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
1.250 1.250	1.983 1.983	1.989 1.989	0.251	7781S	2030 450	S S	1.260 32	1.654 42	1.661 42.20	0.394 10	♦223215←	320	S
1.250	1.983	1.989	0.252 0.252	450049 470049	470	S		42	42.20	10			
1.250	1.983	1.989	0.252	471750	470	Š	1.260 32	1.693 43	1.701 43.20	0.276 7	♦324307XX	320	S
1.250	1.983	1.989	0.252	471750A	470	A	1.260 32	1.693 43	1.702 43.23		◆ 710370	320	S
1.250 1.250	1.983	1.989	0.252	471750V 40652S	470 40S	V S	1.260 32	1.732 44	1.741 44.22	0.236	♦223220→	320	N
1.250 1.250	2.000 2.000	2.006 2.006	0.252 0.252	450163 471766	450 470	S S	1.260	1.772	1.780	0.236	320348	320	V
-							1.260 32	1.772 45	1.781 45.24	0.276 7	♦ 223230	320	S
1.250 1.250	2.000 2.000	2.006 2.006	0.252 0.252	471766A 471766V	470 470	A V	-						
1.250	2.000	2.004	0.232	200338	2000	Š	1.260 32	1.772 45	1.781 45.23	0.276 7	♦324507XX	320	S
1.250	2.000	2.006	0.437	470163	470	S	1.260	1.811	1.820		♦ 223235→	320	Ν
1.250	2.000	2.006	0.438	410163	410	S	32	46	46.23	6	*004000VV	200	0
							1.260 32	1.811 46	1.820 46.23	0.236	♦324606XX	320	S
1.250 1.250	2.047 2.062	2.058 2.066	0.297 0.250	473551 41787S	470 40S	S S	1.260	1.850	1.859		◆ 710310→	320	Ν
1.250	2.062	2.066	0.250	471787	470	S	32 1.260	47 1.850	47.22 1.859	6 0.276	♦324707XX	350	S
1.250	2.062	2.066	0.250	471787A	470	Α	32	47	47.23	7	♥ 324707∧∧	330	3
1.250	2.062	2.066	0.437	450244	450	S							
1.250	2.062	2.066	0.437	470244	470	S	1.260	1.850	1.859		♦ 3476→	320	Ν
1.250	2.106	2.110	0.468	450177	450	S	32 1.260	47 1.850	47.22 1.859	8 0.315	♦3476S→	320	N
1.250	2.125	2.131	0.250	470245	470	S	32	47	47.22	8	*000040 ·	400	NI
1.250 1.250	2.125 2.125	2.131 2.131	0.250 0.250	471795 471795N	470 470	S N	1.260 32	1.890 48	1.899 48.24	0.276 7	♦ 223240→	400	N
							1.260 32	1.890 48	1.899 48.24	0.276 7	♦ 710327→	320	S
1.250	2.125	2.131	0.251	482230N 42081S	480	N	1.260	1.890	1.898		♦324808XX	350	S
1.250 1.250	2.250 2.250	2.256 2.254	0.250 0.435	7686S	40S 250	S S	32	48	48.20	8			
1.250	2.250	2.254	0.500	470165	470	S	1 260	1 000	1 000	0.204	▲710017 /	220	S
1.250	2.252	2.256	0.375	471801	470	S	1.260 32	1.890 48	1.899 48.24	10	◆ 710317←	320	
1.050	0.074	0.000	0.011	471000	470		1.260 32	1.969 50	1.978 50.24	0.315	♦223250→	320	S
1.250 1.250	2.374 2.402	2.380 2.408	0.311 0.228	471808 710101 <i>↔</i>	470 #	S S	1.260	1.969	1.978		♦325008XX	350	S
1.250	2.437	2.443	0.311	471818	470	S	32	50	50.23	8	. 710100	400	.,
1.250 1.250	2.441 2.502	2.445 2.506	0.375 0.375	471407 471833	470 470	S S	1.260 32	1.969 50	1.974 50.14	0.315	♦ 710162	480	V
1.230	2.502	2.500	0.375	47 1000	470		1.260	1.969	1.974	0.315	◆ 710164	480	V
1.250	2.561	2.565	0.500	451845	450	S	32	50	50.14	8			
1.250	2.561	2.565	0.500	471845N	470	Ν	1.260	1.969	1.978	0.215	◆ 710415→	320	S
1.250	2.686	2.690	0.375	481859	480	S	32	50	50.24	8	♥ 710413→	320	3
1.250 1.250	2.713 2.835	2.717 2.841	0.468 0.374	450341 470806	450 470	S S	1.260	2.047	2.058		♦ 223255	350	S
							32 1.260	52 2.047	52.27 2.058		♦325207XX	350	S
1.250	2.877	2.881	0.250	472536	470	S	32 1.260	52 2.047	52.28 2.055	7 0.304	710306	320	S
1.250 1.250	3.150 3.155	3.155 3.160	0.375 0.500	472651V 453279	470 450	V S	1.260	2.047	2.058		◆1167	320	N
1.250	3.155	3.100	0.500	455279	450	3	32	52	52.27	11			
1.260	"				32n	nm	1.260	2.047	2.058		◆1167S	320	N
1.260	1.575	1.581		♦ 223210	340	S	32 1.260	52 2.047	52.27 2.058	11 0.433	♦ 223252←	320	N
32 1.260	40 1.654	40.15 1.661	5 0.276	♦324207XX	350	S	32 1.260	52 2.087	52.28 2.098	11 0.276	♦ 223253→	320	N
32 1.260	42 1.654	42.20 1.661	7	◆324208XX	320	S	32 1.260	53 2.126	53.29 2.132	7	◆2008	#	S
32	42	42.20	8				32	54	54.15	9	¥2000	π	J
1.260 32	1.654 42	1.661 42.20	0.315 8	♦ 710282	320	S							
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Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
1.260	2.126	2.132	0.354	◆2008S	#	S	1.312	1.828	1.833	0.250	39904	TFF	Т
32	54	54.15	9	¥20000	"	Ü	1.312	1.874	1.878	0.375	473423	470	S
							1.312	1.983	1.987	0.375	473422	470	S
1.260 32	2.126 54	2.135 54.23	0.394 10	♦325410XX	320	S	1 210	2.062	2.066	0.210	470906	470	
1.260	2.205	2.216	0.394	♦325610XX	350	S	1.312 1.312	2.062	2.066 2.066	0.312 0.437	472826 470129	470 470	S S
32 1.260	56 2.283	56.28 2.291	10 0.315	♦325808XX	320	S	1.312	2.106	2.110	0.375	473421	470	S
32	58	58.20	8				1.312 1.313	2.166 2.250	2.172 2.256	0.375 0.311	473812 473212A	470 470	S A
1.260 32	2.362 60	2.370 60.20	0.315 8	♦326008XX	320	S							
1.260	2.362	2.370	0.394	♦326010XX	480	S	1.312	2.437	2.441	0.468	470503	470	S
32	60	60.20	10				1.312 1.312	2.502 2.996	2.506 3.001	0.375 0.500	481834 450147	480 450	S S
1.260	2.441	2.449	0.315	♦326208XX	320	S	1.312	2.990	3.001	0.500	430147	430	3
32	62	62.20	8				1.313	"		1 5/16'	,		
1.260 32	2.835 72	2.843 72.20	0.315 8	♦327208XX	320	S							
							1.313 1.313	1.625 2.000	2.006	0.156 0.313	722108 473210	VS1 470	N S
1.281	"		1 9/32	,,			1.313	2.125	2.131	0.313	473210	470	S
							1.313	2.250	2.256	0.311	473212	470	S
1.281 1.281	1.752 1.983	1.756 1.987	0.375 0.437	51032S 470050	50S 470	S S	1.313	2.282	2.286	0.250	40769S	40S	S
1.281	2.000	2.006	0.250	353137	350	S	1.313	2.374	2.380	0.313	473213	470	S
1.281	2.000	2.011	0.374	473424	470	S	1.313	2.835	2.841	0.375	471904	470	Š
1.299	"				33n	nm	1.318	,,					
4.000	4 700	4 700	0.045	740070	470	_							
1.299 33	1.732 44	1.738 44.15	0.315	◆ 710070	470	S	1.318	2.280	2.285	0.354	5131	#	S
1.299	1.779	1.784	0.256	39879	TFW-I		1.318	2.620	2.625	1.000	2300	#	S
1.299 1.299	1.828 1.850	1.832 1.859	0.375 0.276	6370N ◆223340→	330 320	N S	1.322	"					
33	47	47.22	7										
1.299 33	1.929 49	1.938 49.23	0.315 8	◆ 710236→	320	N	1.322	2.227	2.231	0.375	484058	480	S
-							1 226	,,					
1.299	1.969	1.978		◆ 710328	350	S	1.326						
33 1.299	50 1.969	50.24 1.978	7 0.472	◆ 1168←	320	S	1.326	2.061	2.065	0.375	484054	480	S
33	50	50.25	12	.005040VV	000	0		2.001	2.000	0.070	10 100 1	100	
1.299 33	1.969 50	1.978 50.25	12	♦335012XX	320	S	1.328	"					
1.299	2.044	2.050	0.490	3348	470	S							
1.299 33	2.047 52	2.057 52.25	0.236	♦335206XX	320	S	1.328	2.227	2.233	0.313	5124	480	S
							1.339	"				34n	nm
1.299	2.205	2.216 56.29		◆ 710132	400	Ν	1.003					0-111	
33 1.299	56 2.323	2.334	13 0.433	◆ 710124	400	Ν	1.339	1.732	1.741	0.315	♦ 223400	320	Ν
33 1.299	59 3.539	59.28 3.528	11 1 575	5210	250	N	34 1.339	44 1.772	44.23 1.780	8 0.315	♦344508XX	320	S
1.299	3.339	3.320	1.575	5210	350	IN	34	45	45.20	8		320	3
1.301	"						1.339 34	1.890 48	1.899 48.24	0.295 7.50	◆ 710416	350	S
							1.339	1.890	1.899	0.315	♦223420→	320	Ν
1.301	2.000	2.004	0.437	471193	470	S S	34 1.339	48 2.047	48.24 2.058	8 0.315	♦345208XX	320	S
1.301	2.620	2.625	0.315	710043	#	3	34	52	52.28	8	. 5 10200///	020	9
1.312	"		1 5/16	,,					0.55-		000111		
							1.339 34	2.087 53	2.098 53.28	0.315 8	♦ 223440	320	N
1.312	- 1 750	1 760	0.350	327878	320	S	1.339	2.087	2.098	0.315	◆ 710418	320	Ν
1.312	1.752	1.760	0.187	240716	240	S	34	53	53.29	8			
	# Cassial E	coturo/Annli	ootion A	Metric Seal * Che	ak for Availah		l affilla	nd Halis) Diebt Hen	d Haller ()	Di Diventional Halis	_	31

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
1.339	2.126	2.134	0.354	♦345409XX	350	S	1.375			0.375	50480S	450	S
34 1.339	54 2.126	54.20 2.137	0.354	◆ 710110↔	400	N	1.375 1.375	1.750 1.828	1.756 1.834	0.187 0.250	340853 323138	340 320	S S
34 1.339	54 2.165	54.28 2.173	0.354	◆345509XX	320	S	1 275	1.829	1 007	0.187	6597S	340	
34	55	55.20	9				1.375 1.375	1.874	1.837 1.879	0.250	40395	40S	S S
1.339 34	2.441 62	2.448 62.18	0.394 10	◆346210XX	350	S	1.375 1.375	1.874 1.874	1.879 1.879	0.250 0.250	40395S 484156V	40S 480	S V
1.339	2.441 62	2.452 62.28	0.394	♦ 710422	350	S	1.375	1.874	1.880	0.311	330663	330	S
1.339	2.480	2.491 63.27	0.354	◆ 710109↔	400	N	1.375	1.874	1.880	0.313	472354	470	S
1.339	2.559	2.563	0.472	◆ 710151	470	S	1.375 1.375	1.875 1.875	1.878 1.884	0.187 0.250	6668S 352354	330 350	S S
34	65	65.10	12				1.375 1.375	1.937 1.937	1.954 1.954	0.235 0.235	1987 1987S	330 330	N N
1.343	"	1	11/32										
1.343	2.106	2.110	0.375	473435	470	S	1.375 1.375	1.947 1.947	1.953 1.953	0.500 0.500	1097 1097N	330 330	S S
1.343 1.343	2.125 2.374	2.129 2.378	0.375 0.500	473436 450054	470 450	S S	1.375 1.375	1.952 1.981	1.953 1.989	0.500 0.252	2443 714655	250 480	N N
1.343	2.441	2.445	0.375	483793	480	Š	1.375	2.000	2.004	0.250	40522S	40S	S
1.350	,,						1.375	2.000	2.006	0.311	471268	470	S
4.050	4 000	4 005	0.055	740070		0	1.375 1.375	2.000 2.000	2.006 2.006	0.311 0.311	471268N 472258	470 470	N S
1.350 1.350	1.620 2.571	1.625 2.577	0.355 0.539	710076 8594S	# 620	S S	1.375	2.000	2.006	0.311	472258A	470	Α
1.362	"						1.375	2.000	2.006	0.311	472258V	470	V
1.502							1.375	2.000	2.006	0.311	480570	480	S
1.362	2.191	2.197	0.252	8133S	480	S	1.375 1.375	2.000 2.000	2.006 2.004	0.311 0.312	5872S 482258V	450 480	S V
1.365	"						1.375 1.375	2.047 2.047	2.053 2.053	0.311 0.311	472642 472642V	470 470	S V
1.365	1.955	1.961	0.438	3214↔	480	S	1.075	0.047	0.050	0.000	4500NL \	C00	
1.365	2.081	2.087	0.435	51322	50S	S	1.375 1.375	2.047 2.062	2.052 2.073	0.330 0.375	4529N→ 450403	680 450	N S
1.365 1.365	2.260 2.374	2.266 2.380	0.313 0.435	9569S 9568	990 480	S S	1.375 1.375	2.062 2.062	2.073 2.073	0.375 0.375	470774 470774V	470 470	S V
1.370							1.375	2.062	2.073	0.375	6760S	350	Š
1.370							1.375	2.062	2.068	0.438	470403	470	S
1.370	1.375	2.438	0.250	715101	#	S	1.375 1.375	2.106 2.125	2.110 2.131		♦ 472287	470	S
1.372	"						1.375	2.125	2.131	0.311	470135	470	S
1.072							1.375 1.375	2.125 2.125	2.131 2.131	0.311 0.311	471192 482576N	470 480	S N
1.372 1.372	2.250 4.560	2.515 4.567	1.197 0.480	7715S 8549S	# #	S S	1.375	2 125	2.129	0.375	39140	040	
							1.375	2.125 2.125	2.131	0.438	450135	940 450	T S
1.374			1 3/8"				1.375 1.375	2.250 2.250	2.254 2.256	0.250 0.311	40169S 473214	40S 470	S S
1.374	1.874	1.880	0.251	50395S	50S	S	1.375	2.250	2.256	0.311	473214A	470	Α
1.374 1.374	1.983 1.983	1.989 1.989	0.311 0.311	482163 482163N	480 480	S N	1.375	2.250	2.256	0.500	470169	470	S
1.374	2.244	2.250	0.374	2655←	790	N	1.375	2.250	2.252	1.062	6200	90S	S
1.375	,,		1 3/8"				1.375 1.375	2.282 2.282	2.286 2.286	0.250 0.500	42763 50402	40S 50S	S S
							1.375	2.327	2.332	0.406	204027	2040	
1.375 1.375	-	4.582 4.582	0.259 0.259	8676S 9344S	540 540	S S	1.375	2.374	2.378	0.250	43089S	40S	S

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
1.375 1.375	2.374 2.374	2.380 2.378	0.311 0.500	473215 3116←	470 710	S N	1.378 35	1.890 48	1.899 48.24	0.394 10	◆ 1108→	320	V
1.375 1.375	2.374 2.374	2.378 2.378	0.500 0.500	3116N← 470055N	710 470	N N	1.378	1.890	1.895		♦ 1215←	#	N
1.375	2.374	2.380	0.500	480055	480	S	35 1.378	48 1.890	48.13 1.895		◆1215N←	#	Ν
1.375 1.375	2.437 2.441	2.441 2.447	0.375 0.375	470950 471276	470 470	S S	35 1.378	48 1.890	48.13 1.895		◆ 710051	860	S
1.375 1.375	2.441 2.500	2.447 2.506	0.375 0.313	471276V 471835	470 470	V S	35 1.378	48 1.929	48.13 1.941		♦ 710178	#	S
1.375	2.500	2.506	0.313	7687S	470	S	35 1.378 35	49 1.949 49.50	49.30 1.962 49.83	8 0.394 10	◆ 1940→	320	N
1.375 1.375	2.502 2.561	2.506 2.567	0.250 0.374	7245 471847N	40S 470	S N	1.378	1.969	1.980	0.276	◆ 1980→	320	Н
1.375 1.375	2.561 2.623	2.567 2.627	0.374 0.375	473258 472843	470 470	S S	35 1.378	50 1.969	50.29 1.976	7	◆355007XX	350	S
1.375	2.686	2.690	0.500	450776	450	S	35 1.378	50 1.969	50.20 1.980		♦ 3771→	350	Н
1.375 1.375	2.716 2.717	2.720 2.723	0.468 0.375	450456 323125	450 320	S S	35 1.378	50 1.969	50.29 1.980		♦ 223520	350	S
1.375 1.375	2.750 2.835	2.754 2.841	0.500 0.311	450463 473197	450 470	S S	35 1.378 35	50 1.969 50	50.29 1.978 50.24	8 0.315 8	◆355008XX	350	S
1.375 1.375	2.835 2.835	2.841 2.841	0.311 0.374	473197V 472658	470 470	V S	1.378	1.969	1.980 50.29	0.315	◆ 710329←	320	Н
1.375 1.375	2.835 2.875	2.841 2.879	0.469 0.468	450452 471105	450 470	S S	1.378 35	1.969	1.982 50.34		◆ 713771→	350	V
1.375	3.000	3.006	0.500	470989	470	S	1.378 35	1.969 50	1.978 50.24		♦ 710324←	320	S
1.375	3.125	3.130	0.500	450516	450	S	1.378 35	1.969 50	1.980 50.29	0.453 11.50	◆ 710111←	#	Ν
1.375 1.375 1.375	3.149 3.350 3.542	3.155 3.357 3.549	0.374 0.469 0.397	471379 450492 4532N	470 450 930	S S N	1.378 35	2.047 52	2.053 52.15	0.276 7	♦ 223535	330	S
1.377	"						1.378 35	2.047 52	2.055 52.20	0.276 7	♦355207XX	350	S
1.077							1.378 35	2.047 52	2.052 52.13		♦355208XX	330	S
1.377 1.377	2.162 2.874	2.167 2.881	0.744 0.693	4614N↔ 4613N↔	570 570	N N	1.378 35	2.047 52	2.058 52.27		♦3655→	320	Ν
1.378	"				35n	nm	1.378 35	2.047 52	2.058 52.27	0.315	◆3655S→	320	Ν
1.378	1.732	1.738	0.076	◆ 710383	470	S	1.378 35	2.047 52	2.052 52.13	0.315	◆4052R↔	#	Ν
35 1.378	1.732 44 1.772	44.15 1.778	7	◆354507XX	350	S	1.378	2.047	2.061	0.315	♦ 713655	320	
35 1.378	45 1.850	45.15 1.866	7	◆1172→	320	Н	35 1.378	52 2.047	52.35 2.057	8	♦ 1170	320	S
35 1.378	47 1.850	47.40 1.866	7	•1172S→	320	н	35 1.378	52 2.047	52.25 2.057	10	♦1170S	320	S
35 1.378	47 1.850	47.40 1.859	7	♦ 223510	350	S	35 1.378	52 2.097	52.25 2.105	10 0.305		#	N
35	47	47.22	7			_	1.378 35	2.126 54	2.134 54.20		◆355408XX	350	S
1.378 35	1.850	1.859 47.23	7	♦354707XX	350	S	1.378	2.126	2.132		♦ 710217	#	S
1.378 1.378	1.890 1.890	1.898 1.898		320249 ◆354808XX	320 320	V S	35 1.378 35	54 2.126 54	54.15 2.134 54.20	8 0.315 8	◆ 710331←	320	V
35 1.378 35	48 1.890 48	48.20 1.899 48.24	8 0.315 8	◆ 714436	320	S	1.378 35	2.126 54	2.132 54.15		◆ 710199↔	#	Ν
33	40	40.24	0				1.378	2.162	2.167	0.575	3543	570	Н

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
1.378	2.165	2.176		♦ 223540	320	N	1.378	2.520	2.525		♦356408XX	470	N
35	55	55.27	8				35 1.378 35	64 2.559 65	64.13 2.567 65.20	8 0.315 8	◆356508XX	320	S
1.378 35	2.165 55	2.176 55.27	0.315 8	♦ 223542	320	N	1.378	2.559 65	2.567 65.20		♦356510XX	320	S
1.378 35	2.165 55	2.174 55.10	0.315 8	◆355508XX	470	S	1.378	2.559 65	2.570 65.28		♦ 710335	320	S
1.378 35	2.165 55	2.172 55.17	0.315 8	♦ 473823	470	S	1.378	2.638	2.648	0.472	♦ 1173	320	Ν
1.378 35	2.165 55	2.174 55.23	0.433 11	♦355511XX	320	S	35	67	67.27	12			
1.378 35	2.205 56	2.216 56.29	0.315 8	◆ 2007→	#	S	1.378 35	2.677 68	2.688 68.28	0.354 9	◆ 1140→	320	N
							1.378 35	2.677 68	2.683 68.16	0.354	♦223580→	400	S
1.378 35	2.205 56	2.216 56.29	8	◆2007N→	#	S	1.378 35	2.677 68	2.685 68.20	0.354	♦ 710336←	400	Ν
1.378 35	2.205 56	2.216 56.29	0.315 8	♦ 2007S→	#	S	1.378 35	2.756 70	2.764 70.20	0.315	♦357008XX	320	S
1.378 35	2.205 56	2.213 56.20	0.315 8	♦355608XX	350	S	1.378 35	2.835 72	2.846 72.28	-	♦357210XX	350	S
1.378 35	2.205 56	2.216 56.29	0.315 8	◆ 710314←	400	N		12	72.20	10			
1.378 35	2.205 56	2.216 56.29	0.315 8	◆ 710315→	400	S	1.378 35	2.835 72	2.846 72.29	0.394 10	◆ 710360	350	S
							1.378 35	2.992 76	3.003 76.28	0.354	♦ 1136←	300	Ν
1.378 35	2.205 56	2.213 56.20	0.354 9	◆ 710396↔	400	S	1.378 35	2.992 76	3.003 76.28		◆ 1136S←	300	Ν
1.378 35	2.205 56	2.216 56.29	0.394 10	♦ 223543	320	S	1.378 35	2.992 76	3.003 76.28		◆ 1147→	320	Ν
1.378 35	2.205 56	2.215 56.27	0.394 10	♦355610XX	320	S	1.378	3.150 80	3.150 80.20	-	♦358008XX	320	S
1.378 35	2.205 56	2.216 56.29	0.394 10	♦ 710218	#	V			00.20				
1.378	2.240	2.247	2.540	710096	740	N	1.380	,,					
1.378	2.244	2.246	0.601	100165	#	S	1.380	2.288	2.291	0.750	710429	870	V
1.378 35	2.283	2.294 58.27	10	◆223550	450	S	1.391	"					
1.378 35	2.283	2.294 58.28	10	♦355810XX	350	S			0.400	0.044	4705) (7.10	
1.378 35	2.362 60	2.373 60.27	0.315 8	♦ 710424	350	S	1.391	2.482	2.488	0.344	4795V↔	740	V
1.378 35	2.362 60	2.371 60.23	0.394	◆356010XX	350	S	1.399	"					
1.378	2.362	2.368		◆ 710201	470	S	1.399 1.399	2.250 2.292	2.254 2.298	0.250 0.500	470672 710166↔	470 740	S S
35 1.378	60 2.441	60.15 2.452	12 0.276	♦ 223552	320	S	1.399	2.292	2.298	0.500	8660S↔	480	S
35 1.378	62 2.441	62.28 2.452		♦356207XX	350	S	1.400	,,					
35 1.378	62 2.441	62.28 2.452	7 0.354	♦ 223553→	400	N	1 400	1.000	0.000	0.050	1110	ц	_
35 1.378	62 2.441	62.28 2.452		◆ 4901	400	Ν	1.400 1.400	1.969 2.282	2.000 2.293	0.250 0.394	1110 4857↔	# 860	F V
35	62	62.28	9				1.400	2.478	2.486	0.521	710066	830	S
1.378 35	2.441 62	2.449 62.20	0.394 10	♦356210XX	350	S	1.406	"	1	13/32)"		
1.378 1.378	2.480 2.480	2.488 2.487	0.354 0.394	710138 ◆223554	400 #	S S	1.406	2.125	2.129	0.437	50126	50S	S
35 1.378	63 2.480	63.17 2.491	10	710419	#	S	1.417	"				36n	nm
1.378 35	2.520	2.525 64.13		◆223555	470	N							
	04	U4.13	0				1.417 36	1.732 44	1.741 44.22	0.197 5	♦ 710252	320	S

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
1.417	1.811	1.817		♦ 710343	330	S	1.437	2.374	2.380	0.311	470062	470	S
36 1.417	46 1.850	46.15 1.859 47.22	9 0.27 <u>6</u>	♦ 223601	350	S	1.437	2.374	2.380	0.311	473225	470	S
36 1.417	47 1.850	1.858	0.276	♦364707XX	350	S	1.437	2.437 2.441	2.441 2.451	0.312 0.374	474264 •4989	470 #	S
36 1.417	47 1.929	47.20 1.938		♦ 223602→	320	N	37	62	62.26	9.50			
36	49	49.23	7				1.437 1.437	2.441 2.502	2.445 2.508	0.375 0.311	481826 473226	480 470	S S
1.417 36	1.969 50	1.974 50.14	0.276 7	♦ 223605	470	S	1.437	2.623	2.627	0.375	473437	470	S
1.417 36	1.969 50	1.972 50.08	0.276 7	♦365007XX	470	S	1.437	2.750 3.000	2.754 3.005	0.500 0.500	470808 471405	470 470	S S
1.417 36	1.969 50	1.980 50.29	0.315	♦ 710341←	320	S			3.003	0.500	47 1403	470	<u> </u>
1.417 36	2.047 52	2.055 52.20		♦365207XX	350	S	1.438	<i>"</i>					
1.417 36	2.047 52	2.055 52.20		◆ 223608←	320	S	1.438	2.000	2.011	0.125	340930	340	S
1.417	2.126	2.137	0.276	710197	400	N	1.457	""				37n	ım
1.417 1.417 36	2.126 2.126 54	2.137 2.137 54.28	0.276 0.295 7.50	◆223610	350	S	1.457	1.969	1.980	0.236	♦ 223750→	320	N
1.417 36	2.126 54	2.134 54.20	0.315	◆365408XX	350	S	37 1.457	50 1.988	50.29 1.996	6	◆710355→	320	N
1.417 36	2.165 55	2.169 55.09		♦ 2003	470	S	37 1.457	50.50 2.047	50.70 2.053	6	♦ 710149	#	S
1.417 36	2.165 55	2.169 55.09		◆2003N	470	S	37 1.457	52 2.047	52.15 2.058	6	♦375208XX	350	S
							37 1.457	52 2.205	52.28 2.216	8	♦ 710259↔	320	V
1.417 36	2.205 56	2.215 56.25	10	♦365610XX	350	S	37	56	56.29	9			
1.417 1.417	2.250 2.283	2.254 2.293	0.250 0.315	474127 ◆365808XX	470 470	S S	1.457	2.283	2.287		◆ 710353→	660	S
36 1.417	58 2.283	58.25 2.293		◆365812XX	350	S	37 1.457	58 2.441	58.10 2.450		♦ 710228	400	S
36 1.417	58 2.362	58.23 2.370		♦366007XX	320	S	37 1.457 37	62 3.071 78	62.23 3.083 78.30	10 0.472 12	♦ 239134	#	S
36	60	60.20	7						70.30	12			
1.417 36	2.362 60	2.370 60.20	0.315 8	♦ 1965	480	V	1.465)"					
1.417 36	2.441 62	2.452 62.28	0.276	♦366207XX	320	S	1.465	2.372	2.374	0.433	710426	#	S
1.417 36	2.520 64	2.526 64.16	0.433 11	♦ 710152	#	S	1.468	"					
1.417 36	2.559 65	2.567 65.20		◆ 710057	480	S							_
1.417	2.614	2.629	0.500	9342S	480	S	1.468 1.468	2.375 2.437	2.379 2.441	0.375 0.375	473438 473439	470 470	S S
1.417 36	2.677 68	2.688 68.28	0.394	◆366810XX	350	S	1.473	"					
		00.20	10				1.473	1.971	1.979	0.562	7235S	320	S
1.436	**									0.002		0_0	
1.436	2.062	2.073	0.250	352444	350	S	1.479	<i>"</i>					
1.437	"		1 7/16	,,			1.479	2.563	2.567	0.470	710304	#	S
1.437	2.062	2.068	0.311	3395↔	470	S	1.484	.,,					
1.437 1.437	2.125 2.250	2.131 2.256	0.313 0.311	473224 473016	470 470	S S	1.484	2.254	2.258	0.250	40468	40S	S
1.437	2.312	2.318	0.374	472655	470	S	1.484	2.254	2.258	0.312	50468	50S	S
							<u> </u>						

Shaft	Bore	O.D.	Width	Part Number	Style	Mati	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
Silait	Bole	0.0.	widii	Number	Style	IVIALI							
1.491	,,						1.496 1.496 38	2.283 2.283 58	2.288 2.288 58.11	0.315 0.315 8	223842 ◆385808XX	480 470	V S
1.491	2.191	2.197	0.250	8597S	480	S	1.496 38	2.283 58	2.294 58.27		◆ 710139	#	N
1.496	"				38n	nm	1.496	2.283	2.294		♦ 1175	320	S
1.496	1.969	1.978	0.236	♦ 223802→	320	N	38 1.496 38	58 2.323 59	58.27 2.334 59.28	0.354	♦ 1038→	320	N
38 1.496	50 1.969	50.25 1.978	6 0.276	◆385007XX	350	s	1. 496 38	2.362	2.370 60.20	0.315	♦386008XX	320	S
38 1.496	50 1.969	50.25 1.980	7 0.315	♦ 223800→	320	N	1.496	2.362 60	2.373 60.27	0.394	♦ 223843	350	S
38 1.496	50 1.969	50.28 1.980	8 0.315	♦ 223801	320	S	1.496 38	2.362	2.376 60.35	0.394	♦386010XX	350	S
38 1.496	50 2.047	50.29 2.058	8 0.236	◆ 1196	470	S							
38	52	52.27	6				1.496 1.496	2.441	2.445	0.236 0.276	710224 ◆386207XX	490 350	S S
1.496 38	2.047 52	2.053 52.15	0.236	♦3357	2830	S	38 1.496	62 2.441	62.28 2.450	0.512	710209	#	N
1.496 38	2.047	2.053 52.15		♦ 710309	#	S	1.496 38	2.480	2.487 63.17	0.394	♦ 2009	#	N
1.496 38	2.047 52	2.058 52.27		♦ 1174	320	S	1.496 38	2.480 63	2.487 63.17	0.394	◆2009S	#	N
1.496 38	2.047 52	2.058 52.27	0.276 7	◆ 1174S	320	S	1.496	2.559	2.567	0.315	♦386508XX	320	S
1.496 38	2.047 52	2.058 52.27	0.276 7	◆ 1966→	350	Υ	38 1.496	65 2.559	65.20 2.567	8 0.315	710435	320	S
1 400	0.047	0.055	0.070	*00E007VV	200		1.496 38	2.559 65	2.570 65.27	0.472 12	♦ 1176→	#	N
1.496 38 1.496	2.047 52 2.047	2.055 52.20 2.057	0.276 7 0.335	♦385207XX	320	S S	1.496 38	2.559 65	2.570 65.27	0.472 12	♦ 1176S→	#	N
38 1.496	52 2.047	52.25 2.055	8.50 0.354	◆38X52085XX 239128	320 #	S	1.496 38	2.677 68	2.685 68.20	0.315 8	◆386808XX	320	S
1.496 1.496 1.496	2.047 2.058 2.087	2.063 2.098	0.250	482415 ◆1120←	480 320	S V	1.496	2.677	2.685	0.394	♦386810XX	320	
38	53	53.29	7	▼1120 ←	320	V	38 1.496	68 2.756	68.20 2.764	10 0.394	◆387010XX	350	S
1.496	2.087	2.098	0.276	♦ 1120S←	320	V	38 1.496	70 2.835	70.20 2.843	10	◆387210XX	350	S
38 1.496	53 2.087	53.29 2.094	7 0.315	♦385308XX	320	S	38 1.496	72 2.913	72.20 2.921	10	◆387408XX	320	s
38 1.496	53 2.126	53.20 2.133	8 0.276	♦385407XX	480	S	38 1.496	74 2.913	74.20 2.920	8	◆1177	320	N
38 1.496	54 2.126	54.18 2.137		♦ 239146←	480	S	38	74	74.17	11			
38 1.496	2.126	54.28 2.133		♦385410XX	320	S	1.496	2.913	2.921		♦387411XX	320	N
	54	54.18	10				38	74	74.20	11			
1.496 1.496	2.126 2.165	2.130 2.174	-	39875 ◆385507XX	# 350	T N	1.500	,,		1 1/2"			
38 1.496	55 2.1 65	55.23 2.176		♦ 223830	350	N	1.500 1.500	1.874 1.874	1.879 1.880	0.250 0.250	253099 343099	250 340	S S
38 1.496	55 2.165	55.27 2.176	0.354	◆ 223831→	320	N	1.500 1.500	1.875 1.938	1.942	0.188 0.250	710044 42260S	# 40S	S
38 1.496 38	55 2.205 56	55.27 2.216 56.28	0.394 10	♦385610XX	350	S	1.500	1.983	1.989	0.189	443018	440	Š
1.496	2.244	1.850	0 276	♦ 223805	250		1.500 1.500	1.983 1.983	1.987 1.989	0.250 0.252	40382 452554	40S 450	S S
38 1.496	57 2.283	47.00 2.290	7	◆223840	470	S	1.500 1.500	1.983 1.983	1.989 1.989	0.252 0.252	452554N 472554	450 470	N S
38	58	58.17	8										

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
1.500	1.983	1.989	0.252	474276	470	S	1.500	2.377	2.388	0.433	710441	#	N
1.500 1.500 1.500 1.500 1.500	1.989 1.989 1.997 2.000 2.000	1.995 1.993 2.001 2.010 2.004	0.250 0.250 0.531 0.187 0.250	3677 41257 6759S 240319 710023	2870 40S 10S 240 #	S S S U	1.500 1.500 1.500 1.500 1.500	2.437 2.437 2.438 2.441 2.462	2.441 2.441 2.444 2.447 2.482	0.250 0.375 0.250 0.313 0.290	7886S 471820 40063S 471344 200861	480 470 40S 470 2000E	S S S S
1.500 1.500 1.500 1.500 1.500	2.000 2.000 2.048 2.062 2.062	2.011 2.006 2.052 2.068 2.066	0.252 0.313 0.375 0.219 0.250	352521 481163 472466 7537S 480630	350 480 470 240 480	S S S S S	1.500 1.500 1.500 1.500 1.500	2.500 2.502 2.502 2.502 2.502	2.500 2.508 2.508 2.508 2.508	0.375 0.311 0.311 0.375 0.375	710414 473228 51098 481837 6426	# 470 480 480 40S	T S S S
1.500 1.500 1.500 1.500 1.500	2.062 2.062 2.062 2.125 2.125	2.066 2.066 2.068 2.131 2.131	0.250 0.375 0.438 0.311 0.311	6545 480991 470451 470394 473227	210 480 470 470 470	F S S S S	1.500 1.500 1.500 1.500 1.500	2.502 2.502 2.561 2.561 2.623	2.506 2.508 2.565 2.565 2.627	0.437 0.500 0.500 0.500 0.500	480067 450067 410190 470190 451857	480 450 410 470 450	S S S S S
1.500 1.500 1.500 1.500 1.500	2.125 2.125 2.187 2.192 2.222	2.131 2.131 2.187 2.196 2.226	0.311 0.437 0.500 0.250 0.312	473227V 350394 6312 43078S 480844	470 350 80S 40S 480	V	1.500 1.500 1.500 1.500 1.500	2.686 2.686 2.716 2.750 2.750	2.690 2.690 2.720 2.754 2.754	0.500 0.500 0.468 0.312 0.500	470487 470487N 450984 473440 450461	470 470 450 470 450	S N S S
1.500 1.500 1.500 1.500 1.500	2.250 2.250 2.250 2.250 2.250	2.258 2.256 2.256 2.256 2.256	0.250 0.311 0.311 0.311 0.311	340136 470548 470625 470625A 470625V	340 470 470 470 470	S S S A V	1.500 1.500 1.500 1.500 1.500	2.758 2.758 2.835 2.875 2.996	2.763 2.762 2.839 2.879 3.001	0.312 0.500 0.468 0.468 0.500	474281 470077 471915 450523 450326	470 470 470 450 450	S S S S S
1.500 1.500 1.500 1.500 1.500	2.250 2.250 2.250 2.250 2.250	2.256 2.260 2.524 2.256 2.256	0.311 0.312 0.312 0.313 0.313	5115 322373 480625V 331228H→ 453065	470 320 480 750 450	S S V N S	1.500 1.500 1.500 1.500	3.000 3.149 3.189 3.543	3.006 3.155 3.194 3.550	0.374 0.438 0.437 0.375	471958 472446 450540 455308	470 470 450 450	\$ \$ \$ \$
1.500 1.500 1.500 1.500 1.500	2.250 2.250 2.250 2.250 2.256 2.260	2.256 2.254 2.253 - 2.264	0.375 0.375 0.500 .270 0.405	450548 710012 710020 200859 9363S	450 # 2000 410	S U U S S	1.502 1.502 1.502 1.502	2.126 2.377 2.378	2.132 2.381 2.384	0.492 0.500 0.469	4530← 4583← 9613S←	960 860 710	N N S
1.500 1.500 1.500 1.500 1.500	2.311 2.327 2.327 2.328 2.372	2.315 2.333 2.333 2.332 2.376	0.500 0.406 0.406 0.437 0.420	712023 203013 204013 472591 2194←	# 2030 2040 470 880	V S S S N	1.503 1.503 1.503	2.374 2.376	2.379 2.383	1 1/2" 0.374 0.420 1 1/2"	4934 4370N←	790 880	N N
1.500 1.500 1.500 1.500 1.500	2.372 2.374 2.374 2.374 2.374	2.378 2.380 2.380 2.380 2.380	0.813 0.311 0.311 0.311 0.311	7692S← 410059 470380 470380A 470380V	790 410 470 470 470	S S S A V	1.504 1.516	1.937	1.950	0.475	710247←	#	N
1.500 1.500 1.500 1.500	2.374 2.374 2.374 2.377	2.380 2.380 2.629	0.313 0.313 0.313 0.311	10059S 450059 470059 472189A←	470 450 470 470	S S S S	1.516 1.516	2.087 2.283	2.096 2.291	0.315 0.335	710233→ 710318	320 320	N N

Shaft Bore O.D. Width Number Style Matl Shaft Bore O.D. Width Number 1.521" 1.558"	Style Matl
1 521"	
1.321	
1.521 2.656 2.662 0.424 8611N 740 S 1.558 2.250 2.254 1.520 8935S	790 S
1.523" 1.562" 1 9/16"	
1.523 2.714 2.720 0.500 8940S 480 S 1.562 2.061 2.275 0.338 1195 1.562 2.062 2.067 0.188 39920	320 S TFW-H T
1.524" 1.562 2.062 2.066 0.250 330749V 1.562 2.096 2.102 0.250 340927	330 V 340 S
1.524 2.656 2.662 0.391 8610→ 740 S 1.562 2.125 2.129 0.375 39711	TFW-H T
1.531" 1.562 2.125 2.129 0.375 473517 1.562 2.237 2.257 0.290 200887	470 S 2000E S
1.531 2.374 2.378 0.375 452222 450 S 1.562 2.374 2.378 0.250 40438S 1.531 2.374 2.378 0.250 40438S 1.563 2.374 2.380 0.311 472299V 1.562 2.441 2.445 0.375 471827	40S S 470 V 470 S
1.535" 1.562 2.441 2.445 0.500 8160S 1.562 2.441 2.445 0.781 10684S	320 S 10S S
1.535 1.969 1.980 0.433 710120 # N 1.562 2.502 2.506 0.250 40185 1.535 1.984 1.991 0.335 ◆1126 250 S 1.562 2.502 2.506 0.312 711552 1.562 2.502 2.502 2.506 0.312 711552 1.563 2.521 3.631 3.631 3.631 3.631 3.631 1.563 2.502 2.502 2.502 2.504 0.315 711552 1.563 3.631 3.631 3.631 3.631 3.631 3.631 3.631 1.564 3.631 3.631 3.631 3.631 3.631 3.631 3.631	40S S 470 N
39 50.40 50.57 8.50 1.535 1.984 1.991 0.335 ◆1126S 250 S	2000E S
1.535 2.000 2.008 0.295 1128S 350 S 1.562 2.561 2.565 0.500 450143 1.535 2.047 2.053 0.248 ◆1205 470 S 1.562 2.684 2.701 0.250 6336S	200E S 450 S 260 S
39 52 52.15 6.30 1.562 2.686 2.690 0.375 5796 1.562 2.716 2.720 0.468 450803	2010 S 450 S
1.535 2.047 2.053 0.248 ◆1205N 470 S 39 52 52.15 6.30 1.535 2.047 2.053 0.248 ◆710338 660 S 1.562 2.750 2.754 0.500 470109N	470 N
39 52 52.15 6.30 1.535 2.244 2.259 0.380 324204 320 V 1.562 3.150 3.155 0.312 473490	450 S 470 S
1.535 2.244 2.255 0.433 ◆710123 400 N 39 57 57.28 11 1.563" 1 9/16"	
1.535 2.244 2.255 0.610 ◆710122 400 N 39 57 57.28 15.50 1.563 2.062 2.068 0.203 7994S	440 S
1.535 2.323 2.334 0.433 710214 400 N 1.563 2.063 2.069 0.250 8421S 1.535 2.323 2.334 0.669 ◆710118 400 N 1.563 2.250 2.256 0.311 472213 1.535 2.323 2.334 0.669 ◆710118 400 S 1.563 2.311 2.322 0.374 ◆1873→	330 S 470 S
39 59 59.28 17 40 58.70 58.98 9.50 1.563 2.372 2.378 0.335 2506←	350 S 790 S
1.550 " 1.563 2.374 2.380 0.311 472299	470 S
1.550 2.669 2.675 0.500 8695L 50S S 1.563 2.374 2.360 0.311 472299 1.550 2.669 2.675 0.500 8695S 470 S 1.563 2.438 2.444 0.375 470064 1.550 2.669 2.675 0.500 8695S 470 S 1.563 2.438 2.444 0.375 471821	470 S 470 S 470 S
1.563 2.502 2.508 0.311 450185 1.563 2.502 2.508 0.311 473229	450 S 470 S
1.563 2.623 2.629 0.313 470682	470 S
1.552 2.502 2.506 0.500 472635 470 S 1.563 2.750 2.755 0.590 4244 720 S 1.563 2.750 2.756 0.375 473441	470 S 470 S
1.552 3.160 3.165 0.608 4941V # V 1.552 3.160 3.167 0.608 5778 720 N	
1.552 3.160 3.167 0.608 5778V 720 V 1.565 2.372 2.383 0.394 710198	# S

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
	_						1.575 40	2.165 55	2.176 55.28	0.315 8	◆405508XX	350	S
1.567	"				40n	nm			33.20				
1.567	2.205	2.216	0.315	♦ 224025→	320	N	1.575 40	2.165 55	2.176 55.27	0.315 8	◆ 473677	470	S
40	56	56.29	8				1.575	2.185 55.50	2.191 55.65		◆ 710300	#	S
1.574	"						1.575	2.205 56	2.213 56.20		◆405607XX	320	S
1.574	2.410	2.415	0.540	714569	#	V	1.575	2.205 56	2.216 56.29	0.315 8	♦712551	320	S
1.574	2.676	2.683	0.500	4141	#	N	1.575	2.205	2.216	0.354	♦ 224026↔	350	V
1.575	"				40n	nm	40	56	56.29	9			
							1.575 40	2.244 57	2.252 57.20	0.394 10	◆405710XX	320	S
1.575 40	0.101 2.56	2.559 65.00	0.374 9.50	♦ 474161	470	S	1.575	2.244	2.252	0.394	710432	320	S
1.575 40	1.969 50	1.976 50.20	0.315 8	◆405008XX	350	S	1.575 40	2.283 58	2.291 58.20	0.315 8	◆405808XX	350	S
1.575 40	2.047 52	2.057 52.25	0.236	♦ 1178	320	S	1.575 40	2.283 58	2.290 58.17	0.354 9	♦3459↔	740	N
1.575 40	2.047 52	2.057 52.25	0.236	♦ 1178S	320	S	1.575 40	2.283 58	2.290 58.17	0.354 9	♦ 3459S↔	740	N
1.575 40	2.047 52	2.058 52.27	0.236	♦ 224015→	320	S							
							1.575 40	2.283 58	2.294 58.28	10	◆405810XX	320	S
1.575 40	2.047 52	2.058 52.27	0.236	♦ 710308→	320	S	1.575 40	2.362 60	2.368 60.15	8	♦ 710147	#	S
1.575 40	2.047 52	2.053 52.15	0.276	♦ 1217	350	N	1.575 40	2.362 60	2.373 60.27	0.394 10	♦ 224040	350	S
1.575	2.047	2.053 52.15	0.276	♦ 1962	780	S	40 1.575	60 2.441	60.20 2.449	10 0.276	◆406207XX	350	S
1.575	2.047 52	2.053 52.15	0.276	♦ 224010	350	S	40	62	62.20	7	V 100_017.01		
1.575	2.047 52	2.058 52.27	0.276	♦ 224052→	320	Н	1.575	2.441	2.451	0.315	◆406208XX	320	S
	52	52.21	,				40 1.575	62 2.441	62.25 2.449	8 0.354	◆ 710131	#	S
1.575 40	2.047 52	2.057 52.25	0.276 7	◆405207XX	350	S	40 1.575	62 2.441	62.20 2.452	9 0.394	710196	320	V
1.575	2.047 52	2.055 52.20		♦ 4175	#	S	1.575	2.441	2.452 62.28	0.433	♦ 224045	320	S
1.575	2.047	2.058	0.591	♦ 239201	320	S	40	62	62.25	11.50			
40 1.575	52 2.126	52.27 2.132		♦ 1213	470	S	1.575	2.480	2.491	0.315	♦ 224063→	320	N
40 1.575	54 2.126	54.15 2.132		◆1213N	470	S	40 1.575	63 2.520	63.27 2.526	8	◆1216	740	N
40	54	54.15	5.30				40	64	64.16	12	◆1216N		N
1.575	2.126	2.132		♦ 1213S	470	S	1.575 40	2.520 64	2.526 64.16	12		740	
40 1.575	54 2.126	54.15 2.134		◆405406XX	470	S	1.575 40	2.520	2.526 64.16	12	♦ 710326	660	S
40 1.575	54 2.126	54.20 2.132	5.50 0.236	♦ 710311	250	S	1.575 40	2.559 65	2.565 65.15	0.394 10	♦ 224100	350	S
40 1.575	54 2.126	54.15 2.137	6 0.236	♦ 710444←	320	S	4 575	0.550	0.570	0.004	* 400E10VV	050	
40 1.575	54 2.126	54.28 2.134	6 0.394	710287	320	N	1.575 40	2.559 65	2.570 65.28	10	♦406510XX	350	S
							1.575 40	2.598	2.609 66.27	8	◆224066→	400	N
1.575 1.575	2.161 2.165	2.165 2.173	0.512 0.256	710443 ◆405506XX	# 350	N S	1.575	2.677	2.709 68.80	8	◆406808XX	350	S
40 1.575	55 2.165	55.20 2.176	6.50	♦ 224020→	320	S	1.575 1.575	2.677 2.677	2.681 2.687	0.354 0.472	224068 ◆406812XX	400 350	N S
40 1.575	55 2.165	55.27 2.172	8	♦ 3392	470	S	40	68	68.25	12			
40	55	55.17	8	+000Z	470	J							

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
1.575	2.756	2.764		◆407008XX	320	S	1.605	2.795	2.804	0.364	4674N↔	#	N
40 1.575	70 2.835	70.20 2.844	8 0.27 <u>6</u>	♦ 350572	350	V	1.610	"					
40 1.575	72 2.835	72.24 2.848	0.276	◆407207XX	350	S							
40 1.575	72 2.874	72.35 2.878		◆ 710284	#	N	1.610	2.500	2.531	0.300	6283S	260	S
40 1.575	73 2.913	73.10 2.918	12.50 0.394	♦ 474133	470	S	1.614	"				41n	nm
40	74	74.12	10				1.614	2.087	2.093	0.276	♦ 1950	410	S
1.575	2.953	2.959		♦ 2011→	400	Ν	41	53	53.16	7			
40 1.575	75 2.953	75.16 2.959		♦ 2011S→	400	N	1.614 1.614	2.126 2.165	2.135 2.172	0.276 0.236	224150 ◆1180	350 320	N S
40 1.575	75 2.953	75.16 2.965	12 0.472	710113	#	S	41 1.614	55 2.1 <u>65</u>	55.17 2.172		♦1180S	320	S
1.575 40	2.953 75	2.961 75.20	0.472 12	♦712011	320	S	41 1.614	55 2.165	55.17 2.177		◆415507XX	320	S
1.575 40	2.953 75	2.964 75.29	0.472 12	♦ 712020←	320	N	41	55	55.29	7			
							1.614	2.205	2.211	-	♦ 1181	350	S
1.575 40	2.992 76	3.003 76.28	0.354 9	◆ 1036→	400	N	41 1.614	56 2.205	56.16 2.215	7 0.27 <u>6</u>	♦415607XX	350	S
1.575 40	2.992 76	3.003 76.28	0.354 9	◆1146 ←	320	Ν	41 1.614	56 2.323	56.25 2.334	7 0.394	◆ 710114→	980	N
1.575 40	2.992 76	3.003 76.28	0.354 9	◆ 1146S←	320	Ν	41 1.614	59 2.402	59.28 2.409	10 0.394	710141	#	N
1.575 40	3.071 78	3.102 78.80	0.315	◆407808XX	320	S	1.614	2.435	2.441	0.300	2658	750	Н
1.575	3.071 78	3.079 78.20		◆407810XX	350	S	1.614	2.441	2.450	0.354	♦ 710220→	320	N
	70	70.20	10				41 1.614	62 2.480	62.23 2.488	9 0.354	♦ 710291←	400	N
1.575 40	3.150 80	3.161 80.28	0.394 10	◆408010XX	350	S	41 1.614	63 2.677	63.20 2.685	9 0.512	710402	#	S
1.575 40	3.543 90	3.551 90.20	0.315 8	◆409008XX	350	S	1.618	,,					
1 570	,,						1.010						
1.578							1.618 1.618	2.000 2.575	2.004 2.581	0.235 0.489	484206 8835S↔	480 330	S S
1.578	2.000	2.004	0.250	43074S	40S	S	1.618	2.841	2.847	0.500	4762N↔	740	N
1.593	,,	1	19/32	,,,			1.625	"		1 5/8"			
									0.004			470	0
1.593 1.593	2.437 2.502	2.441 2.506	0.468 0.250	450065 482253	450 480	S S	1.625 1.625	2.000 2.116	2.004 2.127	0.250 0.312	473694 324939	470 320	S S
1.593 1.593	2.623 2.758	2.627 2.762	0.340 0.500	451469 450274	450 450	S S	1.625 1.625	2.116 2.125	2.120 2.131	0.312 0.252	472419 481181	470 480	S S
1.594							1.625	2.125	2.131	0.252	481181N	480	N
1.594							1.625	2.250	2.256	0.311	1999	480	S
1.594 1.594	2.067 2.125	2.075	0.236	710436	350	N	1.625 1.625	2.250 2.250	2.256 2.254	0.311 0.312	473230 483230V	470 480	S V
1.594	2.123	2.129 2.293	0.250 0.315	480581 710140	480 320	S S	1.625 1.625	2.282 2.328	2.286 2.327	0.313 0.406	710204 205017	480 2050	S F
1.598	,,							2.020	2.027	0.400	200017	2000	
							1.625 1.625	2.328 2.328	2.334 2.332	0.437 0.437	204017 473117	2040 470	S S
1.598	2.476	2.483	0.420	4764←	860	N	1.625 1.625	2.374 2.374	2.380 2.380	0.311	450358 453341	450 450	S
1.605	,,						1.625	2.374	2.380	0.311	470358	470	S
1.605	2.374	2.386	0.375	1192	320	S	1.625	2.374	2.380	0.311	470358N	470	N
	2.014	2.000	0.073	1102	520	<u> </u>	1.023	2.074	2.000	0.011	+1 0000IN	470	1.4

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
1.625	2.374	2.380	0.311	473231	470	S	1.627	2.277	2.283	0.342	710241	680	S
1.625 1.625	2.374 2.374	2.380 2.380	0.311 0.311	473231A 710358	470 450	A N	1.645	,,					
1.625	2.374	2.380	0.311	710358N	480	S	1.045						
1.625	2.410	2.440	0.361	710102	#	S	1.645	2.656	2.660	0.406	8620N	470	Ν
1.625	2.415	2.440	0.500	4143	#	Ν	1 650	,,,					
1.625 1.625	2.437 2.437	2.441 2.441	0.312 0.312	473367 483367V	470 480	S V	1.650						
1.625	2.438	2.444	0.375	450066	450	Š	1.650	2.205	2.216	0.276	710386→	320	Н
4.005	0.400	0.444	0.075	470000	470		1.650	2.282	2.336	0.768	3083	480	Н
1.625 1.625	2.438 2.438	2.444 2.444	0.375 0.375	470066 471419	470 470	S S	1.654	,,,				42n	nm
1.625 1.625	2.438 2.438	2.444 2.444	0.375 0.375	471829 471829V	470 470	S V							
1.625	2.441	2.444	0.500	710063	#	Ň	1.654 42	2.165 55	2.172 55.17	0.236	♦ 224200	320	S
							1.654	2.165	2.172	0.236	◆224200S	320	S
1.625 1.625	2.462 2.502	2.506	.250 0.250	200641 472758V	2000E 470	S V	42 1.654	55 2.165	55.17 2.172	6 0.236	♦ 224210	350	S
1.625	2.502	2.508	0.311	450194	450	S	42 1.654	55 2.165	55.17 2.173	6 0.276	◆425507XX	320	S
1.625 1.625	2.502 2.502	2.508 2.508	0.311 0.311	473010 473010A	470 470	S A	42	55	55.20	7			
							1.654 42	2.165 55	2.178 55.33	0.315	♦224205→	320	N
1.625	2.502	2.508	0.311	473010N	470	N							
1.625 1.625	2.562 2.562	2.568 2.566	0.252 0.375	204500 291099	40S 290	S F	1.654 42	2.165 55	2.176 55.27	0.315	◆ 3051→	330	Н
1.625 1.625	2.562 2.562	2.565 2.566	0.375 0.437	474216 4763S	470 #	S S	1.654	2.165	2.176		◆3051N→	330	Н
1.025	2.502	2.300	0.407	47030	π		42 1.654	55 2.165	55.27 2.176	8 0.315	◆425508XX	350	S
1.625	2.623	2.629	0.311	473232	470	S	42 1.654	55 2.165	55.28 2.172	8 0.354	♦ 1214	470	S
1.625 1.625	2.623 2.625	2.629 2.629	0.313 0.250	450069 40568S	450 40S	S S	42 1.654	55 2.165	55.17 2.172	9	◆1214N	470	S
1.625	2.625	2.629 2.629	0.500	50568	50S 50S	T T	42	55	55.17	9	▼ 1214N	470	3
1.625	2.625	2.029	0.500	50569	505		4.054	0.005	0.010	0.070	. 00 4000	400	
1.625	2.686	2.692	0.313	481864	480	S	1.654 42	2.205 56	2.213 56.21	7	♦ 224220	490	S
1.625 1.625	2.722 2.750	2.727 2.754	0.406 0.250	5727 40286	2050 40S	F S	1.654 42	2.205 56	2.218 56.34	0.276 7	◆ 3774→	350	Н
1.625	2.750	2.754	0.312	474274	470	S	1.654	2.205	2.218	0.276	♦ 3774S→	350	Н
1.625	2.750	2.754	0.375	473443	470	S	42 1.654	56 2.205	56.34 2.210		◆425607XX	320	S
1.625	2.750	2.754	0.500	470286	470	S	42 1.654	56 2.205	56.13 2.216	7 0.276	◆ 710097	#	S
1.625 1.625	2.758 2.835	2.762 2.839	0.500 0.468	450275 450819	450 450	S S	42	56	56.29	7			
1.625	2.875	2.881	0.313	450078	450	S	1.654	2.205	2.209	0.551	710221	#	N
1.625	2.875	2.881	0.313	473444	470	S	1.654	2.213	2.224	0.236	◆494117	490	S
1.625	2.875	2.881	0.313	473444V	470	V	42 1.654	56.20 2.216	56.49 2.222	6 0.315	710186	#	S
1.625	2.875	2.879	0.437	471923N	470	Ν	1.654	2.224	2.232	0.315	710244	#	S
1.625 1.625	2.996 2.999	3.001 3.005	0.500 0.313	450415 450539	450 450	S S	1.654 42	2.283 58	2.287 58.10	0.276 7	◆425807XX	480	S
1.625	3.000	3.004	0.312	414268	410	S							
1.625	3.062	3.066	0.500	450335	450	S	1.654 1.654	2.283 2.283	2.290 2.290	0.276 0.354	474241V→ ◆224235	470 480	V S
1.625	3.062	3.256	0.500	450335 450467	450 450	S	42	58	58.17	9		320	
1.607	"						1.654	2.283	2.294 58.27	9.50	♦224215←		N
1.627							1.654 42	2.323 59	2.329 59.16	0.303 7.70	♦ 710442→	480	N
1.627	2.125	2.131	0.342	710202	680	S							

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
1.654	2.362	2.373		♦ 1953	320	N	1.654	56.000	2.206	0.275	473560N→	470	N
42	60	60.27	7				1.656	"					
1.654 42	2.362 60	2.373 60.27	0.276 7	◆1953S	320	Ν							
1.654	2.362	2.373		♦ 2025	320	V	1.656 1.656	2.502 2.623	2.506 2.627	0.500 0.455	450260 7457N→	450 10S	S N
42 1.654	60 2.362	60.27 2.371	0.276	◆426007XX	320	S	1.656	2.686	2.690	0.500	450073	450	S
42 1.654	60 2.441	60.22 2.452	7 0.276	♦224252	320	S	1.656	2.938	2.944	0.374	472660	470	S
42 1.654	62 2.441	62.28 2.449	7 0.276	710301	970	S	1.670	"					
			0.270	710001			1.670	2.686	2.690	0.500	452086	450	s
1.654 42	2.441 62	2.452 62.28	0.276 7	◆ 710408	320	Ν							
1.654 42	2.441 62	2.452 62.27	0.315	◆426208XX	350	S	1.673	<i>"</i>					
1.654	2.441 62	2.452 62.28		♦ 224250→	350	S	1.673	2.162	2.168	0.285	4099	2870	S
1.654	2.441	2.445	0.472	♦ 710403	#	S	1.673 43	2.165 55	2.176 55.27	0.236 6	♦ 2012→	320	Υ
42 1.654	62 2.480	62.10 2.491	0.354	◆ 710298→	400	N	1.675	"					
42	63	63.27	9				1.075						
1.654	2.518	2.525	0.394	3622	740	S	1.675	2.000	2.175	0.200	710385	#	S
1.654 1.654	2.518 2.524	2.525 2.535	0.394 0.236	3622S ◆224254	740 340	S S	1.685	,,					
42 1.654	64.10 2.551	64.39 2.555	6 0.531	710179→	320	S							
1.654 42	2.559 65	2.565 65.15	0.394 10	♦ 224255	470	Ν	1.685	2.500	2.506	1.535	7300S	790	N
							1.687	,,,	1	11/16	"		
1.654 42	2.559 65	2.565 65.15	0.394 10	◆426510XX	470	N	4.007	0.070	0.005	0.050	050444	050	0
1.654 1.654	2.598 2.638	2.609 2.643	0.394 0.282	224266 4615V→	320 830	S V	1.687 1.687	2.279 2.327	2.285 2.332	0.250 0.500	353141 203008	350 2030	
1.654	2.638	2.646	0.394	◆710286	320	Ň	1.687 1.687	2.374 2.437	2.380 2.441	0.311 0.312	473233 473445	470 470	S S
42 1.654	67 2.677	67.20 2.685	10 0.315	◆426808XX	320	S	1.687	2.437	2.441	0.468	480479H	480	H
42	68	68.20	8				1.687	2.500	2.511	1.535	2465	#	S
1.654	2.677	2.685	0.394	◆426810XX	320	S	1.687	2.502	2.506	0.250	40154S	40S	S
42 1.654	68 2.756	62.20 2.764	10 0.394	◆427010XX	320	S	1.687 1.687	2.502 2.502	2.508 2.508	0.311 0.311	410154 450154	410 450	S S
42 1.654	70 2.835	70.20 2.843	10	◆427208XX	320	S	1.687	2.502	2.508	0.311	473234	470	S
42 1.654	72 2.835	72.20 2.845	8	◆224270	350	S	1.687	2.502	2.508	0.582	7038SA←	410	S
42	72	72.27	10				1.687	2.557	2.568	0.464	2146↔	#	S
1.654 42	2.835 72	2.845 72.27	0.394	◆427210XX	320	S	1.687 1.687	2.561 2.605	2.565 2.609	0.500 0.235	470460 9178S	470 40S	S S
							1.687	2.623	2.629	0.311	473235	470	S
1.654 1.654	2.835 2.992	2.846 3.003	0.394 0.472	710207 710195	400 400	S S	1.687	2.623	2.629	0.375	440265	440	S
1.654	2.992	2.998		◆710245→	#	N	1.687	2.623	2.629	0.373	8516N	470	N
42 1.654	76 3.150	76.15 3.157	12 0.315	◆428008XX	320	S	1.687	2.650	2.725	0.290	200886	2000E	
42	80	80.20	8	▼ 420000XX			1.687 1.687	2.650 2.684	2.725 2.706	0.290 0.250	200886S 7381S	200E 240	S S
1.654 42	3.150 80	3.157 80.20	0.394 10	◆428010XX	350	S							
4.0=1	0.540	0.554	0.07:	.710100			1.687 1.687	2.686 2.686	2.691 2.690	0.312 0.500	474265 470074	470 470	S S
1.654 42	3.543 90	3.554 90.27	0.374 9.50	◆ 710133	#	N	1.687 1.687	2.716 2.750	2.720 2.756	0.468 0.311	450765 473236	450 470	S S
1.654 42	3.543 90	3.554 90.27	0.469 11.90	◆ 710246	#	Ν	1.007	2.700	2.700	0.311	+1 0200	470	3
40													

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
1.687	2.835	2.841	0.469	470596	470	S							
4.007	0.005	0.044	0.400	4705001	470		1.718	"					
1.687 1.687	2.835 2.875	2.841 2.879	0.469 0.375	470596V 473446	470 470	V S	4 740	0.407	0.444	0.400	50007	F00	0
1.687	3.000	3.006	0.375	471981	470	S	1.718 1.718	2.437 2.561	2.441 2.567	0.468 0.500	50327 442251	50S 440	S S
1.687	3.062	3.066	0.500	470086	470	S	1.718	2.623	2.627	0.500	450068	450	S
1.687	3.125	3.130	0.500	470687	470	S	1.718 1.718	2.875 2.996	2.879 3.000	0.468 0.375	50081 6101	50S 290	S F
1.687	3.189	3.194	0.437	450533	450	S	1.719		0.000	0.073	0101	200	
1.688	,,,						_		0.507	0.500	470000	470	0
1.688	2.328	2.334	0.281	7022S	2760	S	1.719	2.561	2.567	0.500	473336	470	S
1.688	2.328	2.334	0.313	473317	470	S	1.730	,,					
1.688	2.551	2.562	0.470	712146	250	S							
1.693	"				43n	nm	1.730 1.730	2.336 2.336	2.342 2.342	0.250 0.250	6840S 7607	40S 2810	S F
							1.730	2.336	2.342	0.470	8121S	250	N
1.693 43	2.126 54	2.132 54.15	0.256 6.50	♦ 224400	250	S	1.730	2.401	2.407	0.236	8705S	2770	S
1.693 43	2.126 54	2.132 54.15	0.295 7.50	♦ 334111	330	S	1.732	,,					
1.693	2.165	2.176	0.236	♦ 2012S→	320	Υ							
43 1.693	55 2.165	55.27 2.176	6 0.236	♦ 2012V→	320	V	1.732 1.732	2.323 2.362	2.332 2.373	0.268 0.276	224450 ◆224460→	350 350	N X
43 1.693	55 2.165	55.27 2.176	6 0.236	◆ 710264→	320	Υ	44	60	60.27	7			
43	55	55.27	6	▼ /10204→	320	ī	1.732 44	2.362	2.370 60.20	0.276	◆446007XX	320	S
1 000	0.405	0.470	0.045	. 1100	0.40		1.732 44	2.362 60	2.370 60.20	0.394 10	◆446010XX	350	S
1.693 43	2.165 55	2.176 55.27	0.315	♦ 1183	340	S	1. 732 44	2.441 62	2.452 62.28	0.315 8	♦ 224462	320	S
1.693 43	2.165 55	2.173 55.20	0.315	◆435508XX	320	S		02	02.20	0			
1.693 43	2.302 58.47	2.308 58.62	0.295 7.50	♦ 710159	#	S	1.732 44	2.441 62	2.451 62.26	0.315 8	◆446208XX↔	320	S
1.693	2.362	2.373	0.354	ullet320583 o	320	S	1.732	2.441	2.452	0.394	♦ 224464←	320	Ν
43 1.693	60 2.441	60.27 2.448	0.394	♦ 224320	470	S	44 1.732	62 2.559	62.28 2.570	10 0.394	◆446510XX	350	S
43	62	62.18	10				44 1.732	65 2.559	65.28 2.570	10 0.433	♦ 224465→	320	S
1.693	2.480	2.488	0.394	710431	#	S	44	65	65.28	11	VLL 1 100 7	020	Ü
1.693	2.531	2.565	0.374	710387	470	S	1.732	2.598	2.602	0.236	710223	#	S
1.693 43	2.559 65	2.567 65.20	0.315 8	◆436508XX	320	S	1.732	2.677	2.688	0.315	♦350609←	350	N
1.693 43	2.756 70	2.762 70.16	0.354	♦ 710142	#	S	44	68	68.28	8			
1.693	3.622	3.633	0.492	♦ 710208	#	S	1.732 44	2.756 70	2.764 70.20	8	◆447008XX	320	S
43	92	92.28	12.50				1.732 44	2.835 72	2.839 72.11	0.394 10	◆447210XX	350	S
1.705	"						1.732 44	3.150 80	3.161 80.29	0.343 8.70	♦ 710115↔	980	S
							1.732	3.543	3.547	0.354	710283	#	Ν
1.705 1.705	3.034 3.034	3.040 3.039	0.500 0.562	710067↔ 100357	690 860	S V	1.739	,,					
1.705	3.084	3.090	0.461	3747↔	690	S	1.739						
1.705	3.084	3.090	0.461	710105↔	#	S	1.739	2.812	2.818	0.594	8460N	740	N
1.709	"						1.740	,,					
1.709	2.209	2.215	0.354	2955→	710	N							
							1.740	3.000	3.008	0.500	6818	710	S

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
							1.750	2.686	2.692	0.438	450076	450	S
1.748	"						1.750	2.715	2.721	0.437	323119	320	S
							1.750 1.750	2.716 2.717	2.721 2.721	0.406 0.406	204002 203002	2040 2030	
1.748	2.619	2.627	0.330	4950	880	Ν		2.7 17	2.721	0.400	200002	2000	
1.748	2.623	2.629	0.313	3227→	830	N	1.750	2.718	2.728	0.294	200854	2000	E S
1.748 1.748	3.229 3.229	3.236 3.236	0.335 0.335	3583 3583S	830 830	H H	1.750	2.718	2.722	0.359	200354	2000	
1.740	5.229	3.230	0.555	33033	030		1.750	2.718	2.724	0.359	204038	2040	
1.750	,,		1 3/4"				1.750 1.750	2.750	2.756	0.311	410183N	410 470	N S
111.00			. 0/ .				1.750	2.750	2.756	0.311	472179	470	
1.750	2.250	2.258	0.187	6703S	350	S	1.750	2.750	2.756	0.311	472179A	470	Α
1.750	2.250	2.258	0.250	340400	340	S	1.750	2.750	2.756	0.500	450183	450	S
1.750 1.750	2.250 2.250	2.254 2.254	0.250 0.250	42352S 710024	40S #	S U	1.750	2.750	2.756	0.500	51083	50S	S
1.750	2.250	2.261	0.230	450400	450	S	1.750	2.758	2.762	0.375	473447	470	S
	2.200	2.201	0.011	100100			1.750	2.783	2.787	0.531	50289	50S	S
1.750	2.328	2.334	0.438	482126	480	S	1.750	2.786	2.876	0.285	200600	2000	E S
1.750	2.374	2.379	0.250	204503	2040	S	1.750	2.810	2.814	0.315	712260	470	S
1.750 1.750	2.374 2.374	2.380 2.380	0.311 0.311	473237 473237V	470 470	S V	1.750	2.875	2.881	0.252	450291	450	S
1.750	2.374	2.380	0.311	7486S	350	Š	1.750	2.875	2.881	0.252	450291N	450	N S
							1.750	2.875	2.879	0.375	471141	470	
1.750	2.374	2.378	0.484	710062	#	S	1.750	2.875	2.880	0.500	6949S	2740	
1.750 1.750	2.411 2.437	2.415 2.443	0.380 0.313	471169 450351	470 450	S S	1.750	2.983	2.987	0.438	5711	410	S
1.750	2.437	2.443	0.313	470351	470	S	1.750	2.983	2.987	0.438	5711S	410	S
1.750	2.437	2.443	0.313	471504	470	S	1.750 1.750	2.996 3.000	3.001 3.005	0.375 0.250	473448 204501	470 2040	S S
							1.750	3.000	3.003	0.230	204501	2040	
1.750	2.438	2.444	0.251	43071S	40S	S	1.750	3.000	3.006	0.374	471984	470	S
1.750	2.438	2.441	0.375	710013	#	Ū	1.750	3.061	3.066	0.375	473313	470	S
1.750 1.750	2.441 2.449	2.447 2.453	0.374 0.312	471831 473157	470 470	S S	1.750	3.061	3.067	0.500	450087	450	S
1.750	2.500	2.508	0.375	354040	350	T	1.750 1.750	3.062 3.153	3.066 3.159	0.485 0.312	710005 482267	860 480	S S
-							1.750	3.133	3.139	0.512	402207	400	
1.750	2.500	2.503	0.484	710389	70S	S	1.750	3.189	3.194	0.437	470088	470	S
1.750	2.501	2.507	0.251	40494S	40S	S	1.750	3.371	3.376	0.625	210945	210	Š
1.750 1.750	2.502 2.502	2.508 2.508	0.311 0.311	450494 472164	450 470	S S	1.750	3.543	3.548	0.500	455536	450	S
1.750	2.502	2.508	0.311	472164A	470	A	1.750	3.937	3.942	0.312	476820	470	S
							1.763	"					
1.750	2.502	2.508	0.311	472164V	470	V							
1.750	2.502	2.508	0.311 0.406	482164N 451147H	480 450	N	1.763	2.126	2.134	0.382	1906	310	S
1.750 1.750	2.502 2.502	2.506 2.513	0.500	450352	450	H S							
1.750	2.502	2.506	0.680	7834	#	Š	1.765	"					
4.750	0.504	0.507	0.050	004500	00.40		4.705	0.440	0.440	0.400	450075	450	
1.750 1.750	2.561 2.561	2.567 2.566	0.252 0.312	204502 472193	2040 470	S S	1.765	2.412	2.416	0.468	450375	450	S
1.750	2.561	2.567	0.500	450361	450	S	1 766	"					
1.750	2.561	2.567	0.500	470361	470	Š	1.766						
1.750	2.563	2.569	0.500	205015	2050						_		
							1.766 1.766	2.412 2.412	2.423 2.418	0.374 0.375	6936S 9845→	450 470	S V
1.750	2.565	2.571	0.313	324941	320	S					· · · · ·		_
1.750 1.750	2.565 2.621	2.571 2.625	0.313 0.937	473796 710428	470 870	S V	1.771	"					
1.750	2.623	2.629	0.937	472185	470	s S							
1.750	2.623	2.629	0.313	450070	450	S	1.771	2.500	2.504	0.359	714075	#	Н
							1.771	2.622	2.628	0.500	354041	350	Т
1.750	2.686	2.690	0.375	470334	470	S	1.771	3.661	3.661	0.313	1952	540	S

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
							1.772	2.835	2.844	0.394	♦457295XX	320	S
1.772	,,				45n	nm	45	72	72.25	10			
1.772 45	2.283 58	2.294 58.28	0.276 7	◆455807XX	350	S	1.772 45	2.835 72	2.846 72.28	0.472 12	◆457212XX	350	S
1.772 45	2.323 59	2.334 59.28		◆ 710193	320	S	1.772 1.772	2.835 2.843	2.843 2.854	0.472 0.295	710270 ◆1943	320 440	N S
1.772	2.362	2.370	0.276	◆456007XX	350	S	45 1.772	72.20 2.953	72.49 2.961	7.50 0.276	♦457507XX	320	S
45 1.772	2.362	60.20 2.373	0.315	♦ 224520	350	S	45 1.772	75 2.953	75.20 2.959	7 0.472	◆ 1979→	470	N
45 1.772 45	60 2.362 60	60.27 2.370 60.20	0.315 8	◆456008XX	350	S	45	75	75.16	12			
							1.772 45	3.071 78	3.077 78.16	0.433 11	◆ 710248→	660	Ν
1.772 45	2.362 60	2.372 60.25	0.394 10	◆456010XX	350	S	1.772	3.150 80	3.161 80.28	0.394	◆458010XX	350	S
1.772 45	2.362 60	2.372 60.25	0.425 10.80	♦ 2440	690	Ν	1.772	3.346	3.354	0.394	♦458510XX	350	S
1.772 45	2.402 61	2.413 61.29	0.315 8	◆ 710260←	320	S	45 1.772	85 3.346	85.20 3.356	10 0.512	◆458513XX	450	S
1.772 45	2.441 62	2.447 62.15	0.236	♦ 494122	490	S	45 1.772	85 3.858	85.25 3.865		◆ 710364↔	#	N
1.772 45	2.441 62	2.452 62.28		◆1012N	320	S	45	98	98.17	10.50			
							1.781	"	1	25/32	2"		
1.772 45	2.441 62	2.452 62.28	0.315 8	◆1012S	350	S	1.781	2.258	2.269	0.374	321460	320	S
1.772 45	2.441 62	2.453 62.30	0.315 8	◆456208XX	350	S	1.781 1.781	2.500 2.623	2.505 2.627	0.312 0.500	39925 50266	TFW-H 50S	
1.772 45	2.441 62	2.447 62.15	0.315 8	♦ 710078	470	V	1.781 1.781	2.686 2.750	2.690 2.754	0.500 0.500	450269 450285	450 450	S
1.772 1.772	2.441 2.520	2.445 2.531	0.354 0.354	710321 ◆1938	470 #	S S		2.750	2.754	0.500	450265	430	
45	64	64.29	9	V 1000	"		1.781 1.781	2.758 3.189	2.762 3.194	0.500 0.437	450280 450089	450 450	S S
1.772	2.520	2.531		♦ 1939	#	S	1.787						
45 1.772	64 2.520	64.29 2.531		♦ 1951	870	S	1.707						
45 1.772 45	64 2.559 65	64.29 2.565 65.15	9 0.197 5	♦ 1992	470	S	1.787 1.787	3.229 3.229	3.240 3.240	0.335 0.335	4072 $→$ 4072N $→$	830 830	N N
1.772 45	2.559 65	2.570 65.28	0.315	◆456508XX	350	S	1.796	,,,					
1.772	2.598	2.608	0.295	710160	#	S	1.790						
1.772	2.638	2.644	0.315	♦ 710289→	320	S	1.796 1.796	2.524 2.524	2.800 2.800	0.599 0.599	8314 8314S	# #	S S
45 1.772	67 2.677	67.16 2.688	8	◆456807XX	320	S	1.796	2.725	2.730	0.500	6781	2010	
45 1.772	68	68.28 2.688	7	◆224560	320	S	1.809)"					
45	68	68.28	8.50						0.000	0.070	10.10	0070	0
1.772 45	2.677 68	2.688	12	♦320564→	320	V	1.809	2.361	2.366	0.370	4249	2870	S
1.772 45	2.677 68	2.685 68.20	12	◆ 710345	320	S	1.811	,,				46n	nm
1.772	2.756 70	2.763 70.18	0.394	◆457010XX	320	S	1.811 46	0.108 2.73	2.732 69.40	0.433	◆ 710126	#	S
45 1.772	2.835	2.846	0.276	♦ 224570	350	S	1.811 46	2.283	2.294 58.27		◆ 224650→	320	Ν
45 1.772	72 2.835	72.29 2.846		◆457207XX	350	S	1.811 46	2.362 60	2.373 60.27	0.276 7	◆ 224660→	320	Н
45 1.772 45	72 2.835 72	72.28 2.843 72.20	7 0.394 10	◆457210XX	350	S	1.811	2.441	2.445	0.315	224662	350	S

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
1.811	2.441	2.449	0.807	710394	#	S							
1.011	2.441	2.443	0.007	710394	π		1.825	"					
1.811	2.480	2.491	0.300	224663→	350	N	1.023	,					
1.811	2.559	2.567	0.276	◆466507XX	320	S	1.825	2.750	2.754	0.468	7600S	470	S
46	65	65.20	7	710101		_	1.023	2.730	2.734	0.400	70003	470	
1.811 46	2.697 68.50	2.702 68.63	0.295 7.50	◆ 710161	2810	S	1.830	"					
1.811	2.732	2.740	0.394	710128	#	S	1.000						
1.811	2.756	2.764	0.315	◆467008XX	320	S	1.830	2.570	2.574	0.250	6960	40S	S
46	70	70.20	8						_				
1.811	2.756	2.760	0.315	♦ 710238→	320	S	1.831	"					
46	70	70.10	8	47 10200 7	020	O							
1.811	3.720	3.728	0.315	710377	#	S	1.831	3.543	3.551	0.472	710397	#	Ν
1.812	,,	1	13/16	"			1 040	,,,					
1.012			10/10				1.840						
1.812	2.327	2.332	0.437	444116	440	S	1.840	2.400	2.404	0.235	291295	290	F
1.812	2.437	2.441	0.468	451817	450	S	1.040	2.400	2.404	0.233	291293	290	'
1.812	2.437	2.441	0.468	471817	470	S S	1.842	"					
1.812 1.812	2.561 2.561	2.566 2.566	0.500 0.500	203006 203006S	2030 2030	S							
							1.842	2.748	2.751	0.425	714675	#	V
1.812	2.562	2.566	0.312	5133	480	V							
1.812	2.562	2.567	0.315	39930	TFW-F		1.843	,,,					
1.812 1.812	2.563 2.623	2.567 2.627	0.375 0.375	39835 472070	TW 470	T S							
1.812	2.623	2.627	0.455	3618	860	Š	1.843 1.843	2.502 2.623	2.506 2.627	0.375 0.375	471841 473451	470 470	S S
							1.843	2.750	2.754	0.375	473452	470	S
1.812	2.686	2.690	0.375	471866	470	S	1.843	2.750	2.756	0.500	470331N	470	Ň
1.812	2.718 2.750	2.722	0.270	7186S	2000	S S	1.843	2.875	2.879	0.375	473453	470	S
1.812 1.812	2.750	2.756 2.754	0.313 0.375	450118 473449	450 470	S	1.850	"				47n	am
1.812	2.758	2.762	0.500	480281	480	S	1.050					7/11	
							1.850	2.441	2.449	0.315	◆476208XX	320	S
1.812	2.777	2.781	0.575	3604→	860	V	47	62	62.20	8			
1.812 1.812	2.875 2.875	2.879 2.879	0.375 0.468	473450V 450116	470 450	V S	1.850 47	2.520 64	2.531 64.29	0.236	◆ 1937	#	S
1.812	3.000	3.006	0.374	7044NA	860	S	1.850	2.520	2.523	0.276	710191	250	S
1.812	3.000	3.005	0.500	3700	860	S	1.850 47	2.559 65	2.567 65.20	0.315 8	◆476508XX	320	S
4.040	0.004	0.00=	0.405	1070		.,	1.850	2.598	2.602		◆ 710215	660	S
1.812 1.812	3.091 3.125	3.097 3.130	0.485 0.375	4278 481992	860 480	V S	47	66	66.10	6			
1.812	3.189	3.194	0.437	450090	450	Š							
1.812	4.123	4.128	0.531	6930	210	S	1.850	2.677 68	2.688 68.27	0.394 10	♦1187S	320	S
1.813	"						1.850	2.677	2.688		◆476810XX	320	S
1.013							47 1.850	68 2.756	68.27 2.764	10	◆477010XX	320	S
1.813	2.408	_	0.300	710409	#	S	47	70	70.20	10	▼ 477010∧∧	320	3
1.813	2.623	2.629	0.433	8181NA↔	740	S	1.850	2.835	2.841		♦ 224772	480	S
1.813	2.965	2.969	0.250	5070	290	F	47 1.850	72 2.843	72.16 2.854	8 0.236	♦ 710337	340	S
1.815	"						47	72.20	72.49	6			-
1.013													
1.815	2.562	2.566	0.562	2207	2900	S	1.850	3.150 80	3.156 80.16	0.500 12.70	◆ 710150	#	S
1.010			0.002		2000		1.850	3.307	3.318	0.374	◆ 710143	#	S
1.821	"						47 1 950	84 69 000	84.28	9.50	3606	700	N
							1.850	69.000	2.717	0.398	3606	70S	N
1.821	2.623	2.627	0.250	44053	40S	S							

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
1.868	,,						1.875 1.875 1.875	2.813 2.835 2.868	2.817 2.839	0.500 0.375 0.551	5126→ 473455	740 470	S
1.868	2.518	2.524	0.469	332062→	330	S	1.875	2.875	2.879 2.881	0.311	2689S↔ 450082	250 450	S S
1.870	,,						1.875 1.875	2.875 2.875	2.881 2.879	0.311	473238 483238V	470 480	S V
1.870	2.781	2.792	0.359	1959	320	S	1.875 1.875 1.875	2.875 2.877 2.877	2.878 2.864 2.864	0.625 0.470 0.470	710019 9912 9912S	# 250 250	U S S
1.872	,,						1.875 1.875	2.965 2.996	2.971 3.001	0.234 0.375	6064 6547	290 2010	F S
1.872 1.873	3.125	3.131	0.313	473240	470	S	1.875 1.875 1.875 1.875	2.996 3.000 3.000	3.001 3.006 3.006	0.500 0.313 0.313	450084 450298 473239	450 450 470	S S S
1.873	2.684	2.684	0.544	8521S	2000E		1.875	3.000	3.005	0.625	8165	#	Н
1.873 1.875	2.716	2.806	0.281 1 7/8"	200752	2000E	S	1.875 1.875 1.875	3.150 3.150 3.150	3.155 3.146 3.146	0.250 0.930 0.930	715100 3186 3195	# 590 590	S S
1.875	-	2.650	0.350	710163	#	S	1.875	3.160	3.165	0.562	6808	45	N
1.875 1.875 1.875 1.875	2.315 2.397 2.397 2.441	2.316 2.408 2.408 2.447	0.203 0.250 0.250 0.325	8362 353120 7934S 1949	330 350 2040 480	\$ \$ \$	1.875 1.875 1.875 1.875 1.875	3.160 3.160 3.161 3.189 3.251	3.165 3.165 3.165 3.194 3.258	0.672 0.720 0.695 0.375 0.500	9316 719316 100675 473458 451078	720 720 720 470 450	N V S S
1.875 1.875 1.875 1.875 1.875	2.470 2.502 2.502 2.502 2.502 2.560	2.475 2.511 2.506 2.506 2.565	0.437 0.250 0.315 0.375 0.406	472747 340823 473454 472041 2942	470 340 470 470 470	S S S S N	1.875 1.875 1.875	3.371 3.375 4.010	3.376 4.812 4.014	0.468 0.312 1.000	410524 7105S 6127	410 # 310	S S S
1.875	2.561	2.567	0.313	350936	350	s	1.876	,,					
1.875 1.875 1.875 1.875	2.561 2.567 2.623 2.623	2.567 2.561 2.627 2.629	0.313 0.312 0.250 0.313	441853 490936 40071S 472439	440 # 40S 470	S S S S	1.876 1.880	2.561	2.567	0.528	2692→	760	N
1.875 1.875	2.623 2.623	2.629 2.629	0.313 0.313	472439A 472439V	470 470	A V	1.880 1.880	2.562 2.562	2.566 2.566	0.250 0.250	9049 9049N	250 250	S S
1.875 1.875 1.875	2.623 2.625 2.628	2.629 2.640 2.633	0.375 0.433 0.347	331227H 712102→ 6985	330 TFW-H 290	H I T F	1.885	,,					
1.875	2.677	2.683	0.374	710211→	740	N	1.885	2.700	2.706	0.551	9449	740	S
1.875 1.875 1.875 1.875	2.677 2.686 2.716 2.750	2.689 2.692 2.727 2.754	0.551 0.313 0.394 0.250	712516→ 471868 710388↔ 42421S	# 470 320 40S	N S S	1.886	2.699	2.704	0.350	4333N	790	N
1.875	2.750	2.756	0.311	450117	450	S	1.886 1.886	2.750 2.750	2.761 2.765	0.469 1.375	714503↔ 4503N↔	320 790	N N
1.875 1.875 1.875	2.750 2.758 2.758	2.756 2.764 2.762	0.311 0.313 0.500	472572 473179 6460S	470 470 410	S S S	1.890					48n	
1.875	2.760	2.766	0.402	6712NA	740	N	1. 890 48 1. 890	2.362 60 2.441	2.368 60.15 2.452	0.354 9 0.236	◆710356→ ◆1188	470 340	S S
1.875	2.782	2.786	0.500	414045	410	S	48	62	62.28	6			

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Mati
1.890	2.441	2.452		◆ 1188S	340	S	1.890	2.913	2.924		♦ 224874	320	S
48 1.890 48	62 2.441 62	62.28 2.452 62.28	6 0.236 6	♦ 710322	340	S	48	74	74.27	10			
1.890 48	2.441 62	2.452 62.28		♦ 224810	320	N	1.890 48	2.953 75	2.961 75.20	0.394 10	♦487510XX	320	S
		02.20	•				1.890 48	3.150 80	3.157 80.20	0.315 8	♦488008XX	320	S
1.890 48	2.441 62	2.452 62.28	8	♦ 224820	320	S	1.890 48	3.543 90	3.551 90.20	0.394 10	◆489010XX	350	S
1.890 48	2.441	2.445 62.10	8	◆486208XX	350	S	1.890	4.272	4.280	0.512	710296	#	S
1.890 48	2.441	2.452 62.28	9	◆ 1956	#	S	1.893	"					
1. 890 48	2.441	2.452 62.28	9	♦1956S	#	S	1.893	2.434	2.440	0.250	8704S↔	330	S
1.890 48	2.441 62	2.445 62.10	0.354	♦ 710320	480	S	1.929	"				49n	nm
1.890	2.480	2.484	0.354	1969	470	S							
1.890 48	2.480 63	2.484 63.09	0.354 9	♦486309XX	470	S	1.929 49	2.441	2.447 62.15	8.50	♦ 4904	660	S
1.890 48	2.520 64	2.528 64.20	10	◆ 710167	#	S	1.929 49	2.520 64	2.531 64.29	0.236	♦ 1936	#	S
1.890 48	2.559 65	2.565 65.15	0.319 8.10	♦ 1973	250	S	1.929 1.929	2.563 2.756	2.567 2.767	0.315	39877 ◆710305	TW2 320	T S
1.890 48	2.559 65	2.570 65.28	0.354 9	◆ 224865	320	S	49 1.929 49	70 2.756 70	70.28 2.767 70.28	11 0.433 11	◆710305S	320	S
1.890	2.559	2.571	0.394	◆486510XX	320			70					
48 1.890	65 2.559	65.30 2.571	10 0.394	716484	320	V	1.929 49	2.843 72.20	2.854 72.49	0.236 6	◆ 710148	970	S
1.890 48	2.559 65	2.565 65.15	0.965 24.50	◆4528N	660	N	49 1.929	79 3.937	79.10 3.945	0.315	◆ 710374	#	S
1.890 48	2.677 68	2.688 68.27	0.394 10	◆486810XX	320	N	49	100	100.20	8			
1.890 48	2.677 68	2.688 68.28	0.433 11	♦ 224835→	320	N	1.937	"	1	15/16)		
1.890	2.677	2.688	0.433	♦ 224840→	320		1.937	2.412	2.416	0.468	470409	470	S
48 1.890	68 2.756	68.28 2.764	0.315	◆487008XX	350	S	1.937 1.937	2.437 2.502	2.441 2.506	0.250 0.375	474269 471195	470 470	S
48 1.890	70 2.756	70.20 2.767	0.354	◆1994	320	S	1.937 1.937	2.502 2.561	2.506 2.565	0.375 0.500	481195 471854	480 470	S S
48 1.890	70 2.756	70.28 2.767	9	◆487009XX	350	S	1.937	2.623	2.629	0.313	472319	470	S
48 1.890	70 2.756	70.28 2.764	9	◆710255	#	S	1.937 1.937 1.937	2.686 2.686	2.697 2.692	0.311	3173↔	480	Ν
48	70	70.20	9				1.937	2.686	2.690	0.312	471869 473459	470 470	S S V
1.890	2.756	2.767		◆ 712010→	320	Н	1.937	2.686	2.690	0.500	470138V→	470	
48 1.890 48	70 2.756 70	70.28 2.767 70.28	9 0.472 12	◆ 710313→	320	S	1.937 1.937	2.686 2.750	2.690 2.756	0.500 0.313	6988H 473241	330 470	H S
1.890	2.835	2.847	0.276	1208	320	S	1.937 1.937	2.758 2.875	2.762 2.881	0.500 0.313	450279 472144	450 470	S S
1.890 1.890	2.835 2.835	2.847 2.847	0.276 0.276	1208S ◆487207XX	320 320	S S	1.937	2.875	2.879	0.687	210295	210	S
48	72	72.31	7				1.937	3.000	3.006	0.311	472394	470	S
1.890 48	2.835 72	2.846 72.29	0.335 8.50	♦ 224850	350	S	1.937 1.937	3.061 3.125	3.066 3.130	0.375 0.375	473461 471391	470 470	S
1. 890 48	2.835 72	2.846 72.29		♦ 224872	320	S	1.937 1.937	3.189 3.189	3.194 3.194	0.250 0.375	40094S 473462	40S 470	S S
1. 890 48	2.874 73	2.878 73.10		♦ 224870	470	S					770702		
1.890	2.913	2.925	0.394	224815	400	N	1.937	3.189	3.194	0.437	450094N	450	N

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
1.937 1.937	3.189 3.350	3.194 3.355	0.437 0.468	470094 450965	470 450	S	1.969 1.969	2.520 2.524	2.524		1971 ◆710098	470 710	S S
1.937 1.937	3.500 3.543	3.505 3.548	0.250 0.375	45653S 417474	40S 410	S S	50 1.969 50	64.10 2.559 65	64.39 2.570 65.28	6.50 0.315 8	◆506508XX	320	S
1.937 1.937	3.622 3.751	3.627 3.756	0.375 0.500	6074 456057	290 450	F S	1.969 50	2.559 65	2.570 65.28		◆ 710354→	320	N
1.937	3.930	3.935	0.320	710081	#	S	1.969	2.559	2.565	0.354	♦ 1209	350	S
1.938	"						50 1.969	65 2.559	65.15 2.565	9 0.354	◆1209S	350	S
1.938	2.562	2.566	0.317	710058	480	S	50 1.969	65 2.559	65.15 2.565	9 0.354	♦ 225010	470	S
1.938 1.938	2.578 2.622	2.583 2.628	0.294 0.266	9150S 5121	250 2810	S	50 1.969 50	65 2.559 65	65.15 2.565 65.15	0.354	♦ 3743	660	S
1.938 1.937	2.996 3.189	3.002 3.194	0.313 0.437	473460 450094	470 450	S S	1.969 50	2.638 67	2.646 67.20	0.354 9	◆ 710357	470	S
1.940	"						1.969	2.638 67	2.649 67.29	0.433	♦ 1974	970	S
1.940 1.940	2.500 2.762	2.502 2.768	0.250 0.500	6815 2043→	2860 470	S S	1.969 50	2.677 68	2.681 68.10		◆ 710194	320	S
1.940 1.940	2.813 2.900	2.817 2.910	0.428 0.400	8622 710281	# 740	S	1.969 50	2.677 68	2.688 68.28	0.315 8	♦ 1948	350	S
1.941		2.010	0.100	7 10201	740		1.969 50	2.677	2.688	0.315		350	S
		0.015	0.070	0000	700	0	1.969 50	2.677 68	2.688 68.28	0.354 9	♦225020→	320	V
1.941	2.909	2.915	0.370	3896→	760	S	1.969 50	2.677 68	2.688 68.28	0.354	♦ 710420→	320	S
1.945							1.969 50	2.756 70	2.760 70.10	0.276	◆ 413818	410	S
1.945	2.891	2.895	0.290	200371	2000	S	1.969 50	2.756 70	2.764 70.20	0.315 8	◆507008XX	320	S
1.968	"						1.969 50	2.756	2.761	9	◆ 1960	470	S
1.968	2.623	2.627	0.312	473814	470	S	1.969 50	2.756 70	2.764 70.20	0.354 9	◆507009XX	320	S
1.968 1.968	2.686 2.686	2.690 2.690	0.370 0.500	7751H 450472	330 450	H S	1.969	2.756	2.764	0.394	◆ 710173	#	N
1.968 1.968	2.742 2.742	2.746 2.746	0.500 0.500	450911 450911N	450 450	S N	1.9 69	70 2.756	70.20 2.764		◆ 710135	#	S
1.968	2.960	2.964	0.250	40370S	40S	S	50 1.969 50	70 2.835 72	70.20 2.846 72.29	14 0.315 8	♦ 225030	350	S
1.968 1.968	2.996 3.350	3.001 3.355	0.500 0.468	50528 450111	50S 450	S S	1.969	2.835 72	2.846 72.28		◆507208XX	350	S
1.969	,,				50n	nm	1.969 50	2.835 72	2.846 72.29	0.354	♦ 225035	320	S
1.969	0.101	2.638		♦ 710226	320	S	1.969	2.835 72	2.843 72.20	0.394	◆ 710398	#	s
50 1.969 50	2.57 0.103 2.62	67.00 2.618 66.50	5.50 0.512 13	♦ 474134	470	S	1.969 50	2.835 72	2.846 72.29		♦225040→	320	S
1.969 50	2.362	2.373 60.27		◆ 710192	320	S	1.969 50	2.874 73	2.880 73.15		♦ 450474	450	S
1.969 50	2.441 62	2.448 62.18		♦ 225005	320	S	1.969 1.969	2.913 2.953	2.921 2.961		710137 ◆507507XX	# 320	S S
1.969 50	2.441 62	2.452 62.28	0.276 7	◆506207XX	350	S	50	75	75.20	7			
1.969 50	2.441 62	2.446 62.13	0.354 9	♦ 225008	470	S	1.969 1.969 50	2.953 2.953 75	2.957 2.964 75.28	0.354 0.472 12	710437 ◆507512XX	470 320	S S
							<u> </u>						

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
1.969	3.150	3.161	0.315	♦ 225050	350	S	2.000	2.623	2.629	0.311	471424V	470	V
50 1.969	80 3.150	80.29 3.161	8 0.315	◆508008XX	350	S	2 000	0.604	0.600	0.050	404100	400	
50 1.969	80 3.150	80.28 3.161	8 0.650	♦ 710112↔	#	N	2.000 2.000	2.624 2.624	2.630 2.630	0.250 0.250	40410S 492702	40S 490	S S
50	80	80.30	16.50	47 10112 (7	"		2.000	2.625	2.631	0.219	9406S	2790	S
-							2.000 2.000	2.630 2.635	2.750 2.639	0.562 0.235	6090S 292594	2730 290	S F
1.969 50	3.228 82	3.235 82.18	0.315 8	♦ 225082	#	S							
1.969 50	3.346 85	3.354 85.20	0.315 8	◆508508XX	320	S	2.000	2.686	2.690	0.250	40360S	40S	S
1.969	3.386	3.398	0.512	♦ 710117	400	Ν	2.000 2.000	2.686 2.686	2.692 2.690	0.374 0.437	471870 471883	470 470	S S
50 1.969	86 3.543	86.30 3.551	13 0.315	◆509008XX	320	S	2.000 2.000	2.688 2.713	2.690 2.717	0.375 0.468	710017 450446	# 450	U S
50	90	90.20	8				2.000	2.713	2.717	0.400	430440	450	3
1.969 50	3.543 90	3.554 90.28	0.394 10	◆509010XX	350	S	2.000	2.716	2.721	0.375	474272	470	s
							2.000	2.716	2.720	0.468	470543	470	S
1.969	4.331	4.336	0.374	476512	470	S	2.000 2.000	2.716 2.717	2.720 2.721	0.593 0.250	10543S 43073S	10S 40S	S S
1 000	,,						2.000	2.720	-	0.230	710365	#	S
1.988					51n	ılm	l						
1.988	3.051	3.057	0.551	♦ 1941	470	S	2.000	2.742	2.748	0.375	331107N	330	Н
51	77.50	77.65	14	¥1041	470	O	2.000 2.000	2.742 2.745	2.748 2.751	0.375 0.230	472341 5113	470 2030	S S
1 001	.,						2.000	2.750	2.754	0.187	5865	40S	S
1.991	,,						2.000	2.750	2.756	0.252	40389S	40S	S
1.991	2.900	2.975	0.290	200885	2000E	S	2.000	2.750	2.756	0.311	472492	470	S
							2.000	2.750	2.756	0.311	472492A	470	Α
1.996	"						2.000 2.000	2.750 2.804	2.756 2.824	0.375 0.294	450389 200881	450 2000E	S S
						_	2.000	2.835	2.839	0.375	472653	470	S
1.996 1.996	2.000 2.743	2.878 2.751	0.250 0.325	8998 3404	440 750	S H							
1.996	3.111	3.120	0.344	4189H	750	Н	2.000 2.000	2.835 2.846	2.839 2.850	0.375 0.375	472653V 493524	470 490	V S
1 000	,,						2.000	2.875	2.879	0.373	200339	2000	S
1.998							2.000	2.875	2.881	0.311	472924	470	S
1.998	2.878	2.882	0.340	4598→	830	N	2.000	2.875	2.881	0.469	450083	450	S
1.998	2.878	2.884	0.374	320259→	320	V	2.000	2.875	2.879	0.703	6163S	210	s
0.000	"		2"				2.000	2.884	2.890	0.311	472082	470	S
2.000			2				2.000 2.000	2.961 2.964	2.971 2.965	0.250 0.500	8139 205044	# 2050	F F
2.000	2.500	2.504	0.250	710025	#	U	2.000	2.995	3.002	0.500	410085	410	s
2.000	2.500	2.501	0.375	710040	#	Ü							
2.000	2.500	2.504	0.437	452261H	450	Н	2.000	2.995	3.002	0.500	410085N	410	N
2.000 2.000	2.501 2.502	2.506 2.513	0.250 0.252	40401 352541	40S 350	S S	2.000 2.000	2.995 2.995	3.002 3.002	0.500 0.500	450085 714654	450 470	S N
							2.000	2.996	3.002	0.250	40085S	40S	S
2.000	2.562	2.568	0.224	4739	2820	S	2.000	2.996	3.001	0.375	470530	470	S
2.000	2.562	2.568	0.224	8871	2860	S			0.005	0.050	400040	100	
2.000 2.000	2.562 2.562	2.566 2.566	0.500 0.528	205058 331301N	2050 330	S N	2.000 2.000	3.000 3.000	3.005 3.006	0.250 0.311	40301S 472397	40S 470	S S
2.000	2.565	2.571	0.500	9015S	440	S	2.000	3.000	3.006	0.500	450301	450	S
							2.000 2.000	3.061 3.062	3.067 3.066	0.375 0.250	473463 204508	470 2040	S S
2.000	2.623	2.627	0.256	710263	320	V		5.002	3.000	0.200	20 4 300	2040	
2.000 2.000	2.623 2.623	2.629 2.629	0.260 0.311	4148 471424	2860 470	S S	2.000	3.125	3.131	0.311	473242	470	S
2.000	2.623	2.629	0.311	471424A	470	Ä	2.000	3.150	3.155	0.375	412725	410	S
							2.000 2.000	3.189 3.189	3.194 3.194	0.375 0.437	473464 450095	470 450	S S
							2.000	J. 108	J. 194	U.43 <i>1</i>	+30093	450	

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
2.000	3.251	3.256	0.437	412027	410	S	2.047	2.677 68	2.683		♦ 1884	320	S
2.000	3.350	3.355	0.468	412028	410		52 2.047	2.677	68.15 2.683		♦ 710064	#	S
2.000	3.370	-	1.020	710007	#	S	52 2.047	68 2.677	68.15 2.688	7.50 0.299	◆ 4990	2810	S
2.000 2.000	3.371 3.500	3.378 3.505	0.469 0.500	410102 415627	410 410	S S	52 2.047	68 2.677	68.28 2.688	7.60 0.315	◆526808XX	350	S
2.000	3.543	3.548	0.500	455253	450	Š	52	68	68.28	8	4 020000//X		
2.000	3.623	3.628	0.250	204506	2040	S	2.047 52	2.677 68	2.683 68.15	0.315	◆ 710190	480	V
2.000 2.000	3.623 4.003	3.628 4.008	0.375 0.468	487945 55524	480 50S	S S	2.047 52	2.677 68	2.685 68.20		♦ 710312	320	S
2.008	"				51n	nm	2.047 52	2.717 69	2.728 69.28	10	◆526910XX	350	S
2.008	2.441	2.446	0.276	♦ 710407	330	s	2.047 52	2.756 70	2.762 70.16	0.315 8	♦225225	470	S
51 2.008	62 2.480	62.13 2.487	7	◆494123	490	S	2.047 52	2.756 70	2.764 70.20	0.315 8	◆527008XX	320	S
51 2.008	63 2.480	63.17 2.487	6	◆710323	490	s	0.047	0.750	0.707	0.005	.710107	000	
51 2.008	63	63.17 2.565	6	◆225110	470	s	2.047 52	2.756	2.767 70.28	8.50	◆710187→ ◆005540	320	N
51 2.008	65 2.559	65.15 2.563	7	◆516507XX	470	s	2.047 52	2.835	2.846 72.29	7.50	♦ 225540	320	S
51	65	65.10	7	¥01000770X	470		2.047 52	2.835	2.846 72.29	7.70	◆225230 ◆507000VV	350	S
2.008	2.756	2.767	0.433	8316→	320	N	2.047 52	2.835	2.843 72.20	8	◆527208XX	350	S
2.008	2.756	2.767	0.433	8316N	320	N	2.047 52	2.835 72	2.846 72.29	0.315	◆ 710242→	320	N
2.010	"						2.047	2.953	2.957		♦ 225275	660	S
2.010	2.650	2.655	0.363	3794	490	S	52 2.047 52	75 2.953 75	75.11 2.964 75.28	7.50 0.472 12	♦527512XX	350	S
2.031	"						2.047 52	3.071 78	3.082 78.28		♦ 225278	350	Ν
2.031	_	4.156	0.781	5797	#	s	2.047 52	3.087 78.40	3.090 78.49	0.386 9.80	♦ 710107	#	S
		4.130	0.701	3191			2.047 52	3.150	3.161 80.28		♦ 528010XX↔	320	S
2.047	,,				52n	nm							
2.047	2.441	2.452	0.217	◆ 710253	#	S	2.047 52	3.228 82	3.236 82.20	0.315	◆528208XX	320	S
52 2.047	62 2.480	62.28 2.489	5.50 0.315	♦ 1975	320	S	2.047 52	3.346 85	3.354 85.20	0.315 8	♦528507XX	320	S
52 2.047	63 2.480	63.23 2.489	8	♦1975S	320	S			00.20	0			
52	63	63.23	8				2.048	"					
2.047 52	2.559 65	2.565 65.15	9	♦ 1955	350	S	2.048	2.728	2.734	0.250	3087	2810	S
2.047 52	2.559 65	2.570 65.28	0.354 9	♦ 225208	320	S	2.058		2.70	0.200		_0.0	
2.047	2.559	2.571	0.354	◆526509XX	350	s	2.030						
52 2.047	65 2.598	65.30 2.603	9 0.295	♦ 4898	660	S	2.058	3.149	3.154	0.270	200110	2000	S
52 2.047	66 2.598	66.12 2.609	7.50 0.354	♦ 225210	350	N	2.062	"	7	2 1/16	"		
52 2.047	66 2.638	66.27 2.649		♦ 1883	320	S	2.062	-	4.735	0.468	6077	#	S
52 2.047	67 2.677	67.29 2.683	7 0.256	♦ 225220	350	S	2.062	2.561	2.565	0.312	332134	330	S
52	68	68.15	6.50				2.062 2.062	2.561 2.842	2.565 2.846	0.313 0.450	484064V 5877	480 50S	V S
2.047 52	2.677 68	2.683 68.15	0.256 6.50	♦ 710292	#	S							
		30.10					<u> </u>						

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
2.062	2.996	3.001	0.375	473466	470	S	2.125	2.996	3.002	0.438	450115	450	S
2.062 2.062 2.062 2.062 2.062	3.000 3.000 3.000 3.000 3.061	3.006 3.006 3.005 3.005 3.066	0.311 0.313 0.375 0.437 0.500	472012 6954S 2822V 412798N 450307	470 440 410 410 450	S S V N S	2.125 2.125 2.125 2.125 2.125 2.125	2.996 2.996 3.000 3.000 3.000	3.001 3.001 3.006 3.006 3.005	0.687 0.750 0.313 0.374 0.375	8650S 473467 8430S 412015V 472015	10S 470 490 410 470	S S S V S
2.062 2.062 2.062 2.062 2.062	3.125 3.151 3.189 3.190 3.250	3.130 3.156 3.194 3.194 3.310	0.500 0.240 0.437 0.437 0.500	450311 5756 450096 416738 80313	450 290 450 410 2000E	S F S S	2.125 2.125 2.125 2.125 2.125	3.000 3.000 3.000 3.061 3.061	3.005 3.006 3.006 3.067 3.067	0.375 0.500 0.500 0.500 0.500	472015V 450303 480303 410308 450308	470 450 480 410 450	V
2.062 2.062 2.062 2.065	3.251 3.371 3.623	3.256 3.376 3.628	0.500 0.468 0.468	450313 450343 455260	450 450 450	S S S	2.125 2.125 2.125 2.125 2.125 2.125	3.061 3.061 3.061 3.125 3.125	3.067 3.067 3.066 3.131 3.131	0.500 0.500 0.687 0.374 0.374	470308N 473468 30308 450312 472016	470 470 30S 450 470	N S S S S
2.065 2.087	3.130	3.130	0.294	200865	2000E		2.125 2.125 2.125 2.125 2.125 2.125	3.125 3.126 3.146 3.149 3.189	3.130 3.131 3.153 3.154 3.194	0.500 0.484 0.500 0.375 0.437	410312N 6389 8243 476535 39302	410 290 # 470 TW-H	N F S T
2.087 53 2.093	0.106 2.69	2.685 68.20 2.725	0.276 7 0.250	◆710175 340900	320	S	2.125 2.125 2.125 2.125 2.125 2.125	3.189 3.189 3.189 3.193 3.251	3.194 3.194 3.194 3.198 3.258	0.437 0.437 0.437 0.812 0.374	39717 39719 450121 7790H 473243	# # 450 # 470	T T S H S
2.093 2.093 2.093 2.125	2.716 2.750 3.150	2.721 2.754 3.156	0.406 0.250 0.250 2 1/8"	6590S 41013S 40973S	2040 40S 40S	S S S	2.125 2.125 2.125 2.125	3.350 3.371 3.371 3.371	3.355 3.376 3.372 3.376	0.375 0.312 0.375 0.468	413469 440972 413470 410972N	410 440 410 410	SSSN
2.125 2.125 2.125 2.125 2.125 2.125	2.561 2.750 2.758 2.835 2.875	2.565 2.756 2.762 2.839 2.881	0.492 0.374 0.437 0.468 0.252	474069 473204 471950 450639 40566S	470 470 470 450 40S	S S S S S	2.125 2.125 2.125 2.125 2.125	3.436 3.436 3.500 3.543 3.623	3.440 3.505 3.550 3.628	0.625 0.625 0.375 0.500 0.468	6380 6380S 416267 415349 455080	290 290 410 410 450	F S S
2.125 2.125 2.125 2.125 2.125	2.875 2.875 2.875 2.875 2.875	2.881 2.881 2.881 2.881 2.881	0.252 0.252 0.374 0.374 0.375	6626 6626S 470898 470898A 450365	440 40S 470 470 450	S S S A S	2.126 2.126 54 2.126 54	2.559 65 2.559 65	2.567 65.20 2.565 65.15	8	◆546508XX ◆2002	54m 320 470	s s
2.125 2.125 2.125 2.125 2.125 2.125	2.875 2.875 2.875 2.875 2.875	2.881 2.881 2.879 2.879 2.881	0.375 0.375 0.437 0.437 0.437	450365N 450867 39851 39853 410867N	450 450 TFW-H TFW-H 410		2.126 54 2.126 54 2.126 54	2.598 66 2.717 69 2.835 72	2.605 66.17 2.726 69.23 2.844 72.25	7.50 0.295 7.50	◆225410 ◆710239 ◆225420	# 400 320	S N S
2.125 2.125 2.125 2.125	2.875 2.878 2.879 2.880	2.879 2.882 2.885 2.885	0.625 0.375 0.500 0.550	30365 453066 9599S→ 2457←	30S 450 470 #	S S S N	2.126 54 2.126 54 2.126	2.835 72 2.874 73 2.874	2.844 72.25 2.882 73.20 2.890	10 0.315 8	◆547210XX ◆547308XX 712125→	320 320 TFW-H	S S I T

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
2.126	2.972	2.983	0.709	♦ 710073	#	S	2.165	3.150	3.161		♦558008XX	350	S
54 2.126	75.50 2.992	75.78 3.000	18 0.551	710438	#	S	55 2.165 55	80 3.228 82	80.28 3.235 82.17	0.394 10	◆ 1958	350	S
2.126	3.228	3.240	0.315	♦ 225450	320	S	2.165 55	3.228 82	3.240 82.30		♦558212XX	350	S
54 2.126	82 3.228	82.30 3.242	0.394	◆548210XX	320	S	2.165 55	3.346 85	3.359 85.31		♦558510XX	350	S
54 2.126	82 3.346	82.35 3.356	10	225460	320	S			00.31	10			
2.126 54	3.346	3.357 85.28	0.394	◆548510XX	320	S	2.165 55	3.465 88	3.472 88.20	0.315 8	◆558808XX↔	320	S
		00.20	10				2.165 55	3.543 90	3.554 90.28	0.512	♦559013XX	350	S
2.129	,,						2.165 55	3.937 100	3.949 100.30	0.500 12.70	♦55X10013X	450	S
2.129	2.891	2.895	0.250	42101S	40S	S							
2.136	,,						2.167	**				55n	nm
							2.167 55	2.756 70	2.767 70.27	0.315 8	♦557008XX	350	S
2.136 2.136	2.902 2.902	2.909 2.909	0.310 0.310	8312 8312S	2720 2720	S S			10.21	0			
2.156	,,		2 5/32°	,,			2.172	,,					
2.130			2 3/32				2.172	3.125	3.130	0.675	710413	#	Ν
2.156 2.156	2.880 3.189	2.885 3.196	0.375 0.437	100058 450621	TW 450	T S	2.180	,,					
2.156	3.251	3.256	0.500	450869	450	Š	2.100						
2.165	,,				55n	nm	2.180 2.180	2.999 3.000	3.003 3.006	0.250 0.500	4740 8974S	2820 490	S S
2.165	2.677	2.683	0.256	♦ 710127	#	S	2.180	3.190	3.194	0.620	713103→	690	V
55 2.165	68	68.15 2.688	6.50 0.315	◆225500	π 320	s	2.187	,,		2 3/16	,,		
55 2.165	68 2.677	68.28 2.688	0.315	◆556808XX	320	S	2.187	2.835	2.839	0.468	471952	470	S
55	68	68.28	8			S	2.187 2.187	2.875 2.875	2.881 2.881	0.374	450489 473244	450 470	S S
2.165 55	2.756 70	2.761 70.13	0.354 9	152807XX	320	3	2.187	2.996	3.001	0.375	472234	470	S
2.165	2.756	2.761	0.354	♦ 3723	660		2.187	3.000	3.006	0.374	472018	470	S
55 2.165	70 2.835	70.13 2.844	9	♦ 225530	350	S	2.187 2.187	3.062 3.125	3.066 3.131	0.375 0.375	473471 472020	470 470	S S
55 2.165	72 2.835	72.24 2.844	8	◆557208XX	350	s	2.187	3.187	3.194	0.687	6636S	350	S
55 2.165	72 2.835	72.25 2.846	8	◆225535	320	S	2.187 2.187	3.189 3.189	3.194 3.194	0.437 0.718	470354 6186	470 10S	S S
55 2.165	72 2.913	72.29 2.920	10	◆ 1207	490	S	2.187	3.251	3.258	0.374	473245	470	S
55	74	74.17	6	₩1207	430	3	2.187	3.350	3.355	0.375	412943	410	S
2.165	2.913	2.920	0.236	◆1207N	490	S	2.187 2.187	3.371 3.500	3.376 3.505	0.375 0.375	413472 416268	410 410	S S
55 2.165	74 2.953	74.17 2.961	6	◆55X1007X	320	S	2.187	3.623	3.628	0.468	415350	410	S
55 2.165	75 2.953	75.20 2.961	7	◆557508XX	350	S	2.188	,,					
55 2.165	75 2.953	75.20 2.962	8	♦ 225545	350	S	2.188	3.188	3.199	0.618	3103→	690	S
55 2.165	75 2.953	75.24 2.967	10	◆557510XX	350	S	2.199	,,					
55	75	75.35	10			_	2.199						
2.165	3.071	3.082		◆557810XX	350	S	2.199	3.519	3.523	0.590	2286	740	S
55	78	78.28	10										
_	_	_					_	_	_				

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
							2.205	3.543	3.551	0.315	◆569008XX	320	S
2.200	"						56	90	90.20	8			
2.200	2.804	_	0.300	710171	#	N	2.205	4.803	4.813	0.315	710086	#	S
2.200	3.022	3.028	0.422	4741←	#	N	2.218	"					
2.201	"						0.010	0.050	0.055	0.400	E0001	F0C	C
2.201	2.735	2.741	0.197	3553	2840	s	2.218	3.350	3.355	0.468	50631	50S	S
							2.222	"					
2.205					56n		2.222	3.543	3.548	0.760	7568	#	Н
2.205 56	2.598 66	2.606 66.20	0.669 17	◆ 710382	#	S	2.240	"					
2.205 56	2.677 68	2.683 68.15	0.177 4.50	◆ 1932	490	S							
2.205 56	2.677 68	2.683 68.15	0.177 4.50	◆ 1932S	490	S	2.240 2.240	2.992 3.190	2.998 3.194	0.255 0.450	710183 3095	660 690	S S
2.205 56	2.677 68	2.682 68.12	0.394	◆566810XX	480	N	2.244	"				57n	am
2.205 56	2.756 70	2.764 70.20	0.315	♦567008XX	350	S	2.2-					3711	ш
							2.244 57	2.638 67	2.649 67.29	0.236 6	♦ 1984	250	S
2.205 56	2.835 72	2.843 72.20	0.276 7	◆567207XX	320	S	2.244 57	2.835 72	2.840 72.14	0.331 8.40	♦ 1964	470	S
2.205 2.205	2.835 2.835	2.843 2.840	0.315 0.354	710393 ◆225650	# 320	S S	2.244 57	3.031 77	3.039 77.20	0.315 8	♦ 710129	#	S
56 2.205	72 2.835	72.14 2.841	9 0.429	◆ 710069	#	S	2.244 57	3.110 79	3.120 79.25	0.539 13.70	♦ 710072	#	S
56 2.205	72 2.835	72.16 2.850	10.90 0.453	◆56X72115XX	350	S	2.244 57	3.110 79	3.120 79.25	0.539 13.70	♦ 710074	#	S
56	72	72.40	11.50					0.450	0.454	0.045	740005		
2.205 56	2.835 72	2.845 72.27	0.492 12.50	♦ 225227	#	S	2.244 2.244	3.150 3.189	3.154 3.196	0.315	710225 ◆1928	# 470	S S
2.205 56	2.874 73	2.880 73.15	0.295 7.50	♦ 1993	470	S	2.244	81 3.346	81.18 3.354		◆578513XX	320	S
2.205 56	2.874 73	2.880 73.15	0.295 7.50	♦ 225673	#	S	57	85	85.20	13			
2.205 56	2.913 74	2.920 74.17		◆ 710176	870	S	2.248	"					
2.205 56	2.921 74.20	2.928 74.37		♦ 710125	#	S	2.248	2.996	3.002	0.500	450441	450	S
	7 1.20	7 1.07	0.00				2.250	,,		2 1/4"			
2.205 56	2.953 75	2.958 75.13	0.260 6.60	♦ 4899	660	S							
2.205 56	2.953 75	2.966 75.33	7	♦ 225775	#	S	2.250 2.250	2.625	2.840 2.636	0.500 0.187	710045 341022	VS1 340	S S
2.205 56	2.953 75	2.961 75.20	7	◆567507XX	320	S	2.250 2.250	2.675 2.750	2.720 2.754	0.539 0.250	722109 710026	VS1 #	S U
2.205 56	2.992 76	2.998 76.15	0.193 4.90	◆ 710108	660	S	2.250	2.875	2.879	0.250	43034S	40S	S
2.205 56	3.071 78	3.082 78.28	0.295 7.50	♦ 225678	#	S	2.250	2.996	3.001	0.437	471341	470	S
2 205	2 150	2 161	0.015	▲ E60000VV	200		2.250 2.250	2.996 3.000	3.001 3.006	0.437 0.250	471341N 40520S	470 40S	N S
2.205 56	3.150	3.161 80.28	8	◆568008XX	320	S	2.250 2.250	3.000 3.000	3.006 3.006	0.374 0.374	410520 471272	410 470	S S
2.205 56	3.228 82	3.236 82.20	8	◆568208XX	320	S							
2.205 56	3.346 85	3.357 85.28	8	◆568508XX	350	S	2.250 2.250	3.000 3.000	3.006 3.005	0.374 0.375	471272N 712250	470 470	N V
2.205 56	3.465 88	3.472 88.20	0.315 8	◆568808XX	320	S	2.250 2.250	3.000 3.035	3.005 3.046	0.438 0.374	483323V 352637	480 350	V S

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
2.250	3.061	3.067	0.375	473473	470	S	2.283 2.283	2.874 2.913	2.878 2.924	0.335 0.394	710439 ◆710271←	# 320	S S
2.250 2.250	3.061 3.125	3.066 3.130	0.500 0.250	7937N 40433S	410 40S	N S	58 2.283 58	74 2.913 74	74.27 2.918 74.12	10 0.512 13	♦ 225874	1010	Ν
2.250 2.250	3.125 3.188	3.131 3.195	0.374 0.438	471138 450737	470 450	S	2.283	2.953	2.961	0.276	710136	#	S
2.250	3.188	3.195	0.438	470737	470	S 	2.283 58	2.953 75	2.964 75.29	0.354	♦ 225875	320	S
2.250 2.250	3.188 3.189	3.195 3.149	0.438 0.437	470737N 30737	470 410	N S	2.283 58	2.953 75	2.959 75.16	0.354	◆ 710400	470	S
2.250 2.250	3.189 3.189	3.194 3.194	0.437 0.437	410737 50737	410 50S	S	2.283 58	2.953	2.964 75.28	11	◆587511XX	350	S
2.250	3.249	3.250	0.285	200763	2000E	S	2.283 58 2.283	2.992 76 3.031	3.001 76.23 3.042	7.80	◆710230 ◆225877	# 350	S N
2.250 2.250	3.251 3.251	3.258 3.258	0.251 0.374	40316S 472636	40S 470	S S	58	77	77.27	8.50	♥ 223077	330	IN
2.250 2.250	3.251 3.251	3.258 3.258	0.500 0.500	410316 450316	410 450	S S	2.283 58	3.071 78	3.082 78.28	0.394	◆ 710144←	#	S
2.250	3.252	3.260	0.551	712512←	#	N	2.283 58	3.150 80	3.161 80.29	0.315	♦ 225880	350	S
2.250 2.250	3.310 3.350	3.317 3.355	0.375 0.312	44052 454136N	40S 450	S N	2.283 58	3.150	3.161 80.28	8	♦588008XX	350	S
2.250 2.250	3.350 3.350	3.355 3.357	0.375 0.469	411253 450099	410 450	S S	2.283 58	3.346 85	3.356 85.25	0.512		320 320	S S
2.250	3.371	3.378	0.374	412920	410	S	2.283 58	3.465 88	3.472 88.20	0.315	◆588808XX	320	5
2.250 2.250	3.371 3.371	3.378 3.378	0.374 0.374	412920V 442109	410 440	V S	2.283 58	3.543 90	3.554 90.28	0.394	◆589010XX	350	S
2.250 2.250	3.371 3.400	3.378 3.700	0.438 0.280	450132 200929	450 2000E	S	2.283	4.055	4.063	0.433	710268	400	N
2.250	3.443	3.447	0.250	41075S	40S	S	2.293	,,,					
2.250 2.250	3.481 3.500	3.486 3.505	0.500 0.375	455136 411376	450 410	S S	2.293	3.148	3.154	0.358	204035	2040	S
2.250 2.250	3.500 3.543	3.505 3.548	0.500 0.500	455093 416270	450 410	S	2.296	,,,					
2.250	3.623	3.628	0.468	475234N	470	N	2.296	3.148	3.153	0.359	205035	2050	F
2.250 2.250	3.623 3.750	3.630 3.757	0.469 0.500	415234 415259	410 410	S S	2.312			2 5/16			
2.250 2.250	3.876 4.003	3.881 4.010	0.468 0.469	55337 415254	50S 410	S S	2.012	•		2 3/10			
2.250	4.064	4.069	1.092	722250	900	N	2.312 2.312	3.000 3.000	3.004 3.005	0.375 0.500	4131 411160V	2870 410	S V
2.250	4.064	4.069	1.092	722250S	900	Ν	2.312 2.312	3.065 3.251	3.070 3.256	0.281 0.375	43109S 411394	40S 410	S S
2.272	"						2.312	3.313	3.318	0.375	5924	40S	S
2.272	2.654	2.661	0.250	39821	TW	Т	2.312 2.312	3.350 3.371	3.355 3.376	0.375 0.468	410694 450133	410 450	S S
2.281	,,						2.312 2.312	3.500 3.751	3.505 3.756	0.375 0.500	416444 455321	410 450	S S
2.281	3.154	3.161	0.375	493291	490	S	2.313	,,,					
2.283					58m		2.313	3.125	3.131	0.375	472150	470	S
		0.5	0.5:-	E0=205: ":			2.313	3.251	3.258	0.500	450317	450	S
2.283 58	2.835 72	2.846 72.28	0.315 8	◆587208XX	350	S							

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
							2.362	3.228	3.236	0.472	710350	#	V
2.314		2.222		440074	110		2.362 60	3.228 82	3.236 82.20	0.472	◆ 710390→	320	N
2.314	3.000	3.006	0.382	442874	440	S	2.362 60	3.228 82	3.239 82.27	0.472 12	◆ 712006←	320	Н
2.321	"						2.362 60	3.346 85	3.357 85.28	0.315	◆608508XX	350	S
2.321	3.000	3.004	0.313	493629	490	S	2.362 60	3.346	3.354 85.20	12	♦608512XX	320	S
2.323	,,				59m	nm	2.362 60	3.386 86	3.393 86.18	0.276 7	♦ 710182	660	S
2.323	2.953	2.957	0.394	◆ 710168	470	S	2.362	3.543	3.553		♦609008XX	320	S
59 2.323	75 3.083	75.11 3.093	10 0.315	710229	400	S	2.362 60	90 3.543 90	90.25 3.554 90.27	0.394 10	♦609010XX	350	S
2.323 2.323	3.083 3.937	3.093 3.948	0.315	710231 ◆710121	320 #	S N	2.362	3.543 90	3.550 90.17	0.551	◆ 1985	480	S
59	100	100.28	10				2.362 60	3.543 90	3.550 90.17	0.551	♦1985S	480	S
2.325	,,						2.362 60	3.740 95	3.748 95.20	0.315 8	◆609508XX	320	S
2.325 2.325	3.125 3.375	3.130 3.390	0.313 0.375	710430 712101→	# TFW-H	S I T	2.362 60	3.937 100	3.945 100.20	0.394	◆60X10010XX↔	320	N
2.328	,,						2.362	4.055	4.062 103.18		◆ 710276	400	Ν
2.328	3.000	3.006	0.375	332271N	330	N	2.362 60	4.331 110	4.339 110.20	0.315	♦60X11008XX	320	S
2.328 2.328	3.000 3.000	3.006 3.006	0.375 0.375	3945 3946	480 860	N S	2.367	,,					
2.328	3.000	3.006	0.375	493637	490	S							
2.362	"				60m	nm	2.367	3.366	3.374	0.257	4539H	750	Н
2.362 60	2.835 72	2.841 72.16	0.295 7.50	◆ 710379	470	S	2.374	,,					
2.362	2.835 72	2.846 72.28	0.315	♦607208XX	350	S	2.374	3.350	3.357	0.251	442507	440	S
2.362 2.362	2.913 2.953	2.917 2.959	0.394	226001← ◆710093	250 #	V S	2.375	,,		2 3/8"			
60 2.362 60	75 2. 953 75	75.16 2.964 75.28	5.80 0.315 8	♦607508XX	350	S	2.375	-	3.375	0.510	353890	350	S
	75	75.20	- 0				2.375 2.375	2.875 2.996	2.879 3.001	0.375 0.500	710041 470764	# 470	U S
2.362 60	2.953 75	2.964 75.29	0.354 9	♦ 226015←	320	N	2.375 2.375	3.000 3.000	3.005 3.005	0.250 0.375	41026S 473573	40S 470	S S
2.362 2.362	2.953	2.972 3.082	0.394	712113→	TFW-F								
60	3.071	78.28	9	♦ 226018	350	N	2.375 2.375	3.002 3.061	3.013 3.067	0.437 0.375	3393 <i>←</i> 473474	320 470	V S
2.362 60	3.150 80	3.161 80.29	0.315	♦ 1039S	350	S	2.375	3.061	3.066	0.500	480988H	480	Н
2.362 60	3.150 80	3.157 80.20	0.315 8	◆608008XX	350	S	2.375 2.375	3.125 3.189	3.131 3.194	0.374 0.375	470565 473475	470 470	S S
2.362	3.150	3.157	0.315	710333	320	S	2.375	3.251	3.258	0.374	413246	410	S
2.362 60	3.228 82	3.236 82.20	0.276 7	♦608207XX	320	S	2.375 2.375	3.251 3.251	3.256 3.256	0.375 0.437	483246N 412038N	480 410	N N
2.362	3.228	3.239 82.27	0.472	◆ 2001←	320	S	2.375 2.375	3.251 3.251	3.256	0.500 0.625	470574N 710210	470 740	N V
60 2.362 60	82 3.228 82	3.240 82.30	12 0.472 12	♦608212XX	350	S		3.231	3.256	0.023	/ 10210	740	
00	02	02.00	12				2.375 2.375	3.252 3.265	3.256 3.270	0.500 0.495	480574H 5119	480 490	H S

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
2.375 2.375	3.350 3.350	3.355 3.355	0.250 0.375	40101S 412119	40S 410	S S	2.437	3.500	3.505	0.375	411245	410	S
2.375	3.350	3.355	0.438	472856	470	S 	2.437 2.437	3.500 3.543	3.505 3.548	0.500 0.375	455096 417073	450 410	S S
2.375 2.375 2.375	3.350 3.350 3.371	3.355 3.357 3.378	0.468 0.469 0.375	410101N 450101 413247	410 450 410	N S S	2.437	3.624	3.628	0.375	3210	490	S
2.375 2.375	3.371 3.471	3.378 3.616	0.469 0.290	450350 200855	450 2000E	S	2.438 2.438	3.251	3.258	0.438	412040	410	S
2.375 2.375	3.471 3.481	3.616 3.486	0.290 0.437	200855S 470987	200E 470	S S	2.441		0.200	0.100	112010	62m	
2.375	3.483	3.490	0.500	410686N	410	Ν							
2.375 2.375	3.483 3.483	3.490 3.490	0.500 0.500	410987 450103	410 450	S S	2.441 62 2.441	3.071 78 3.150	3.077 78.16 3.157	0.374 9.50 0.315	◆710213 ◆628009XX	2810 320	S S
2.375 2.375	3.483 3.500	3.490 3.507	0.500 0.374	450686 416271	450 410	S S	62 2.441	80 3.150	80.20 3.161	9 0.394	◆628010XX	350	S
2.375 2.375	3.500 3.500	3.507 3.505	0.374 0.375	416271A 475095	410 470	A S	62 2.441 62	80 3.346 85	80.28 3.353 85.17	10 0.315 8	♦ 226285	410	S
2.375	3.500	3.505	0.375	475095N	470	N	2.441 62	3.346 85	3.352 85.13	0.315 8	♦628508XX	410	S
2.375 2.375 2.375	3.543 3.543	3.550 3.548	0.500 0.500	412861 415248N	410 410	S N	2.441 62	3.543 90	3.554 90.28	0.394	♦629010XX	350	S
2.375 2.375 2.375	3.601 3.623 3.623	3.608 3.628 3.628	0.437 0.375 0.468	415857 410825 475380N	410 410 470	S S N	2.441 62	3.937 100	3.949 100.30	0.276 7	♦62X10007XX	320	S
2.375	3.623	3.628	0.500	456472N	450	N	2.468	"					
2.375 2.375 2.375	3.751 3.875 3.876	3.756 3.881 3.881	0.500 1.060 0.375	416071 711553 417480	410 740 410	S N S	2.468	3.350	3.355	0.468	50560	50S	S
2.375	3.876	3.883	0.468	455860	450	S 	2.474	."					
2.375 2.375 2.375	4.064 4.498 4.500	4.069 4.504 4.504	1.092 0.391 1.060	712375 714512 710006→	900 870 740	N N N	2.474	3.543	3.548	0.285	6575S	2000	S
2.402	,,				61n	nm	2.480)"				63m	ım
2.402	2.992 76	3.003 76.28	0.276	♦ 226150	#	S	2.480 2.480 63	3.310 3.346 85	3.316 3.357 85.28	0.500 0.394 10	6785 ◆638510XX	350 320	F S
2.420		70.28	7				2.480 63	3.543 90	3.550 90.17	7	♦ 1935	470	S
		2.222	0.004	4400	0040		2.480 63	3.543 90	3.549 90.14	0.394	♦639010XX	320	S
2.420 2.432	3.000	3.006	0.394	4160	2810	S	2.485	"					
		0.075	0.007	40401	470		2.485	3.165	2.488	0.188	710042	#	U
2.432	3.070	3.075	0.227	4019N	470	N	2.496	"					
2.437			2 7/16'			_	2.496	3.672	3.772	0.315	200851	2000E	S
2.437 2.437 2.437	3.125 3.350 3.371	3.130 3.355 3.376	0.375 0.375 0.375	471887 411500 413478	470 410 410	S S S	2.497	,,,					
2.437	3.481	3.486	0.500	450104	450	S	2.497	3.245	3.248	0.485	5109	#	S

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Mati
							2.500	4.035	4.040	0.634	4525V	720	V
2.500	"		2 1/2"				2.500 2.500	4.250 4.500	4.260 6.125	0.500 0.400	355732 7512SSO	350 510	S S
2.500 2.500	3.000 3.000	3.005 3.005	0.250 0.250	40555 40555S	40S 40S	S S	2.500	4.938	4.943	0.500	3136N	470	N
2.500	3.000	3.004	0.313	710027	#	U	0.500	,,					
2.500 2.500	3.000 3.125	3.015 3.130	0.375 0.250	710034 43290S	# 40S	U S	2.503						
0.500	0.405	0.400	0.547	00.40N			2.503 2.503	3.428 3.629	3.239 3.633	0.709	4561V←	#	V V
2.500 2.500	3.125 3.130	3.130 3.135	0.547 0.315	9946N 39803	# TFW-H	N T F			3.033	0.900	4624V	860	V
2.500 2.500	3.148 3.150	3.154 3.155	0.250 0.315	40337S 473476	40S 470	S N	2.512	"					
2.500	3.189	3.194	0.375	472029	470	S	2.512	3.506	3.519	0.290	8975S	490	s
2.500	3.226	3.231	0.190	3942	2840	S			0.0.0	0.200	00.00	.00	
2.500	3.250	3.255	0.375	710018	#	U	2.520						
2.500 2.500	3.251 3.251	3.258 3.258	0.374 0.374	410519 410752	410 410	S S	2.520	2.992	3.000	0.276	710256	#	S
2.500	3.251	3.258	0.374	471271	470	S	2.520 64	3.031 77	3.039 77.20	0.315 8	◆ 710130	#	S
2.500	3.251	3.258	0.374	471271A	470	Α	2.520	3.150	3.158 80.21	0.315	◆ 226480→	330	Н
2.500	3.251	3.258	0.374	471271V	470	V	64 2.520	80 3.150	3.161	0.315	♦648008XX	320	S
2.500 2.500	3.251 3.251	3.258 3.256	0.437 0.500	450519 480519	450 480	S S	64 2.520	80 5.197	80.28 5.201	8 0.512	710277	#	N
2.500	3.252	3.259	0.250	442380	440	S			0.201	0.012	710277	"	
2.500	3.297	3.304	0.327	4250↔	740	S	2.531						
2.500	3.350	3.357	0.437	450496	450	S	2.531	4.540	6.125	0.500	7154S	#	S
2.500 2.500	3.350 3.371	3.355 3.378	0.468 0.374	410496 470605	410 470	S S							
2.500	3.371	3.435	0.500	80330	80S	S	2.556	,,					
2.500	3.428	3.435	0.375	473274	470	S	2.556	3.937	3.942	0.375	476514	470	S
2.500 2.500	3.428 3.499	3.435 3.505	0.375 0.500	473274N 3894V	470 480	N V	2.559	"				65n	nm
2.500	3.499	3.506	0.500	7581H	480	Н	2.555					0311	ШШ
2.500	3.500	3.507	0.250	444042	440	S 	2.559 65	3.150 80	3.161 80.28	0.315 8	♦658008XX	320	S
2.500	3.500	3.507	0.374	415449	410	S	2.559	3.189	3.200	0.276	♦ 226510→	320	Υ
2.500 2.500	3.500 3.500	3.507 3.504	0.374 0.450	415449V 714670	410 470	V N	65 2.559	81 3.228	81.28 3.235	7 0.276	♦ 710094	660	S
2.500 2.500	3.500 3.500	3.507 3.507	0.500 0.500	415147 415147N	410 410	S N	65 2.559	82 3.307	82.17 3.318	7	◆ 712005→	320	Н
	0.000	0.007	0.000	41014711	410		65	84	84.28	9	♦658508XX		
2.500	3.500	3.507	0.500	455147	450	S	2.559 65	3.346 85	3.354 85.20	0.315	◆ 030300∧∧	350	S
2.500 2.500	3.542 3.542	3.549 3.549	0.500 0.500	455001 455001S	450 450	S S							
2.500	3.543	3.548	0.500	415001	410	S	2.559 65	3.346 85	3.355 85.22	0.394 10	♦ 226520	350	S
2.500	3.543	3.548	0.500	415001N	410	N	2.559 65	3.346 85	3.357 85.27	0.394 10	♦658510XX	350	S
2.500	3.543	3.548	0.500	475001	470	S	2.559 65	3.346 85	3.353 85.17		◆ 710373	470	S
2.500 2.500	3.623 3.623	3.630 3.630	0.374 0.374	416273 455369	410 450	S S	2.559	3.465	3.472	0.315	♦658808XX	350	S
2.500 2.500	3.750 3.876	3.757 3.881	0.500 0.468	455079 415082	450 410	S S	65 2.559	88 3.465	88.20 3.472	8 0.394	♦658810XX	320	S
2.300	3.070	J.00 I	0.400	410002	410	<u> </u>	65	88	88.20	10			_
2.500	3.876	3.881	0.468	415082N	410	N	2.559	3.465	3.472	0.472	◆ 710367→	400	S
2.500	4.003	4.008	0.468	455655	450	S	65	88	88.20	12		100	

				Part			г				Part		
Shaft	Bore	O.D.	Width	Number	Style	Matl	Shaft	Bore	O.D.	Width	Number	Style	Matl
2.559	3.543	3.551	0.276 7	♦659007XX	320	S	2.625	3.623	3.630	0.374	415458	410	S
65 2.559	90 3.543	90.20 3.554	0.394	◆ 226530	350	S	2.625	3.623	3.630	0.374	415458V	410	V
65 2.559	90 3.543	90.27 3.554	10 0.394	♦659010XX	350	S	2.625	3.623	3.630	0.374	475458	470	S
65	90	90.28	10	*CE0010VV			2.625 2.625	3.623 3.623	3.628 3.630	0.438 0.438	15003S 455003	410 450	S S
2.559 65	3.543 90	3.551 90.20	0.512 13	♦659013XX	350	S	2.625	3.623	3.630	0.469	415003	410	S
-							2.625	3.623	3.630	0.469	475003N	470	Ν
2.559 65	3.937 100	3.949 100.30	0.276 7	♦65X10007XX	320	S	2.625	3.695	3.700	0.500	3813	640	Н
2.559	3.937	3.948	0.394	♦65X10010XX	350	S	2.625	3.696	3.700	0.500	41163T→	TFW-H	ΙT
65	100	100.28	10				2.625 2.625	3.751 3.813	3.758 3.818	0.374 0.415	417343 200392	410 2000	S S
2.560	"						2.625	3.876	3.881	0.468	415007	410	S
2.560	3.090	3.095	0.256	5123	2800	S	2.625 2.625	4.003 4.064	4.008 4.069	0.375 0.960	417082 712625	410 900	S N
2.562	"		2 9/16 ⁵	,,			2.625	4.249	4.254	0.468	416278	410	S
2.502			2 3/10				2.625	4.437	4.441	0.437	418027	410	S
2.562	3.481	3.486	0.375	413479	410	S	2.625	4.564	4.568	0.718	9773	740	N
2.562	3.500	3.505	0.375	415302	410	S	2.625	4.564	4.568	0.718	9773R	740	Ν
2.562 2.562	3.500 3.543	3.505 3.548	0.500 0.500	415098N 455311	410 450	N S				0.7.10	07.701.1	, .0	
2.562	3.623	3.625	0.375	415988	410	S	2.648	,,,					
0.500	0.707	0.777	0.400	0040	ш		2.648	3.812	3.817	0.500	486857	480	S
2.562 2.562	3.727 3.750	3.777 3.756	0.490 0.375	9943 417481	# 410	S S	2.040	0.012	0.017	0.000	400037	400	
2.562	3.876	3.881	0.468	455280	450	S	2.667	""					
2.598	"				66n	nm	0.667	0.751	0.750	0.500	7700	400	0
							2.667 2.667	3.751 3.751	3.756 3.756	0.500 0.500	7780 7780N	40S 40S	S S
2.598 66	3.150 80	3.154 80.11	0.354	♦ 226610	410	Ν	0.077	.11				00.	
2.598	3.346	3.353	0.315	◆ 710092	410	S	2.677					68n	nim
66 2.598	85 3.481	85.17 3.488	8 0.438	411330	410	S	2.677	3.228	3.236	0.276	♦688207XX	350	S
2.598	3.481	3.488	0.438	411330N	410	N	68	82	82.20	7	▼ 0002077XX	330	0
2.598	3.999	4.004	0.780	712598	470	S	2.677	3.228	3.236	0.276	710378 ◆710234←	350	S N
							2.677 68	3.307 84	3.318 84.28	0.335 8.50	▼ /10234←	320	IN
2.598 2.598	3.999 4.000	4.004 4.005	0.780 0.500	712598S 477069	470 470	S S	2.677 68	3.346 85	3.354 85.20	0.315	♦688508XX	350	S
					170		2.677	3.386	3.398	0.315	226820	320	Н
2.625	"		2 5/8"										
2.625	3.350	3.355	0.375	412871	410	S	2.677 68	3.386 86	3.397 86.28	0.315	♦ 710334←	320	N
2.625	3.350	3.356	0.373	450329	450	S	2.677	3.465	3.476		◆ 710446→	350	S
2.625	3.371	3.376	0.250	440511	440	S	68 2.677	88 3.504	88.29 3.512	8 0.433	712511→	320	V
2.625 2.625	3.371 3.371	3.378 3.378	0.438 0.438	410708 413248	410 410	S S	2.677	3.543	3.551	0.276	♦689007XX	320	Š
	0.07 1	0.070	0.100	410240	710		68 2.677	90 3.543	90.20 3.556	7 0.394	♦689010XX	350	S
2.625	3.371	3.378	0.438	450626	450	S	68	90	90.32	10		200	_
2.625 2.625	3.481 3.484	3.486	0.500 0.250	450412 43077S	450 40S	S S							
2.625	3.500	3.489 3.507	0.230	415483	410	S	2.677	3.543	3.549	0.394	712108→	TFW-H 470	
2.625	3.500	3.507	0.374	455368	450	S	2.677 68	3.543 90	3.550 90.17	12	◆ 710440	4/0	S
							2.677	3.740	3.748		♦689510XX	350	S
2.625	3.500	3.505	0.500	475368N	470	, N	68 2.677	95 3.740	95.20 3.752	10 0.512	226840	#	V
2.625 2.625	3.516 3.543	3.533 3.548	0.394 0.375	712103→ 417079	TPDW 410	/ I S		- · · ·			· -		-
	2.0.10		2.070			_							
			_			_		_	_			_	

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
2.677 68	3.937 100	3.945 100.20	0.394 10	♦68X10010XX	350	S	2.750	3.772	3.779	0.311	2222	2860	S
2.677 68 2.677	3.937 100 4.882	3.948 100.28 4.886	0.512 13 0.472	◆68X10013XX 710275	350 400	S N	2.750 2.750 2.750 2.750	3.779 3.846 3.876 3.876	3.784 3.928 3.883 3.883	0.762 0.290 0.374 0.374	710395 200942 475009N 475960	Unitize 2000E 470 470	S N S
2.687	""						2.750	3.876	3.883	0.437	455009	450	S
2.687 2.687 2.687	3.500 3.751 3.876	3.507 3.756 3.876	0.374 0.500 0.250	455434 455151 365008	450 450 360	S S S	2.750 2.750 2.750 2.750 2.750	3.876 3.876 3.876 3.937 4.003	3.883 3.883 3.883 3.942 4.008	0.438 0.438 0.438 0.500 0.375	415009 415009N 415960 476574N 416706	410 410 410 470 410	S N S N S
2.688 2.688 2.735	3.499	3.504	0.344	710091	2720	S	2.750 2.750 2.750 2.750 2.750 2.750	4.003 4.003 4.125 4.249 4.249	4.010 4.010 4.132 4.254 4.254	0.438 0.438 0.563 0.468 0.500	415272N 455272 476281 416282 476283N	410 450 470 410 470	N S S S N
2.735	3.415	-	0.340	710039	#	U	2.750 2.750	4.999 5.500	5.004 5.506	0.468 0.500	55238 417986N	50S 410	S N
2.748 2.748 2.748 2.748 2.748	3.543 3.876 3.881 5.500	3.555 3.886 3.885 5.512	0.591 0.552 0.464 0.850	4874N 4564V 710174 4876N→	# # 470 #	N V S N	2.750 2.756 2.756 70 2.756	3.346 85 3.425	3.357 85.28 3.436	0.315 8 0.335	3591 ◆708508XX ◆1021←	900 70n 350 320	nm s v
2.750	"		2 3/4"				70 2.756	87 3.425	87.27 3.436	8.50 0.335	◆1021V←	320	V
2.750 2.750 2.750 2.750 2.750	3.125 3.250 3.481	6.200 3.130 3.255 3.486	0.315 0.700 0.187 0.313 0.500	477872 6643S 310841 710038 480491	470 520 310 # 480	S S U S	70 2.756 70 2.756 70	87 3.465 88 3.465 88	87.27 3.474 88.25 3.476 88.29	8.50 0.315 8 0.472 12	◆708808XX ◆227020←	480 320	S H
2.750 2.750 2.750 2.750 2.750	3.500 3.500 3.500 3.501 3.538	3.507 3.507 3.505 3.505 3.543	0.374 0.374 0.500 0.250 0.437	416664 455364 485364N 45827S 457291	410 450 480 40S 450	S S N S S	2.756 70 2.756 70 2.756 70 2.756	3.465 88 3.543 90 3.543 90 3.543	3.474 88.25 3.551 90.20 3.556 90.32 3.556	12 0.276 7 0.394 10 0.394	◆708812XX ◆709007XX ◆227040← ◆709010XX	320 320 350 350	S S H S
2.750 2.750 2.750 2.750	3.543 3.543 3.543 3.543	3.548 3.548 3.550 3.550	0.375 0.375 0.438 0.438	417484 417484N 415322 455322	410 410 410 450	S N S S	70 2.756 70	3.622 92	90.32 3.633 92.28	8.50	◆227045←	470 320	H
2.750	3.543	3.550	0.438	455322N	450	Ň	2.756 70 2.756	3.622 92 3.740	3.630 92.20 3.751	12	◆709212XX ◆709510XX	350	S
2.750 2.750 2.750 2.750 2.750	3.543 3.543 3.623 3.750 3.751	3.550 3.550 3.630 3.756 3.756	0.438 0.438 0.374 0.500 0.250	455322V 475322N 415984 710010 46997S	450 470 410 # 40S	V N S U S	70 2.756 70 2.756 70 2.756 70	95 3.740 95 3.937 100 3.937 100	95.28 3.751 95.28 3.945 100.20 3.948 100.28	13 0.394 10	◆709513XX ◆70X10010XX ◆70X10013XX	350 320 350	s s s
2.750 2.750 2.750 2.750	3.751 3.751 3.751 3.751	3.758 3.758 3.758 3.756	0.374 0.374 0.375 0.500	415004 417316 455004 475004H	410 410 450 470	S S H	2.756 2.756 7 0	4.000 4.134 105	4.009 4.146 105.30	0.469	40392 ◆70X10507XX	TFW-H 320	H T S

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
2.756 70	4.134 105	4.142 105.20	0.512 13	◆70X10513XX	350	S	2.875 2.875	3.623 3.623	3.628 3.628	0.500 0.500	3783H 39802	650 TFW-H	H
2.756 70	4.331	4.339	0.394	◆70X11010XX	350	S		3.023	3.020	0.500	39002	11 00-11	
2.756 70	4.409 112	4.416 112.17	0.551	◆ 710339	250	S	2.875 2.875	3.750 3.750	3.755 3.755	0.500 0.500	41536 41537	TPDW TPDW	
							2.875 2.875	3.750 3.750	3.757 3.757	0.500 0.500	455006 455006N	450 450	S N
2.812	,,	2	13/16)"			2.875	3.751	3.758	0.374	417344	410	S
2.812	3.876	3.881	0.437	55010	410	S	2.875	3.751	3.756	0.375	487344V	480	V
2.812 2.812	4.003 4.249	4.008 4.254	0.468 0.468	475384 411348	470 410	S S	2.875 2.875	3.875 3.876	3.882 3.883	0.413 0.374	9864S↔ 417158	570 410	S S
2.813	,,						2.875	3.876 4.003	3.883	0.438 0.250	455355	450 40S	S S
							2.875	4.003	4.008	0.250	43086S	405	
2.813 2.813	3.751 3.875	3.758 3.882	0.438 0.438	455005 417485	450 410	S S	2.875 2.875	4.003 4.125	4.010 4.130	0.374 0.375	416921 417134	410 410	S S
0.000	,,						2.875	4.125	4.130	0.812	6780S	210	S
2.832							2.875 2.875	4.249 4.335	4.254 4.340	0.500 0.437	416285 455310	410 450	S S
2.832	3.622	3.633	0.374	710075←	320	V	2.875	4.376	4.381	0.625	455556	450	S
2.835	,,				72n	nm	2.875	4.499	4.504	0.468	455144	450	S
2.835	3.465	3.474	0.276	♦ 1986	480	S	2.881	,,					
72 2.835	88	88.25	7			S	2 001	2 400	2 426	0.001	4100	470	c
72	3.465	3.474 88.25	7	♦1986S	480		2.881 2.881	3.429 3.429	3.436 3.436	0.291 0.291	4122 470547	470 470	S S
2.835 72	3.543	3.551 90.20	10	♦729010XX	350	S	2.913	,,				74m	nm
2.835 72	3.740 95	3.751 95.28	0.394	♦729510XX	350	S 							
2.835 72	3.780 96	3.791 96.29	0.354 9	♦ 227235←	320	Н	2.913 2.913	3.543 3.858	3.549 3.869		227409 ◆227410→	320 320	H
2.835	3.937	3.945	0.394	◆72X10010XX	350	S	74	98	98.27	12			
72 2.835	100 3.937	100.20 3.949	10 0.472	◆72X10012XX↔		S	2.937	"	2	15/16	,,		
72	100	100.31	12				2.937	3.751	3.756	0.375	416956	410	S
2.843	,,						2.937 2.937	3.876 4.003	3.881 4.008	0.375 0.375	417159 416654	410 410	S S
		4.000	0.500	4500071/	450		2.937	4.003	4.010	0.438	455012	450	S
2.843	4.003	4.008	0.500	456837V	450	V	2.937	4.003	4.008	0.468	415012V	410	V
2.844	,,						2.937 2.937	4.003 4.003	4.008 4.008	0.468 0.625	475012N 35012N	470 430	N N
2.844	3.938	3.945	0.500	2081↔	410	S	2.937	4.125	4.130	0.375	417486	410	S
2 974	,,						2.937 2.937	4.250 4.499	4.254 4.504	0.468 0.468	416775 455356	410 450	S S
2.874							2.937	4.939	4.944	1.250	712937	900	N
2.874 2.874	3.386 4.003	3.397 4.010	0.197 0.437	239129 455011	# 450	S			4.544	1.230	7 12307	900	IN
2.874	4.174	4.181	0.437	2674	450 890	S S	2.938	"					
2.875	,,		2 7/8"				2.938	3.937	3.947	0.552	4563V	#	٧
					4==		2.938 2.938	3.938 3.938	3.945 3.945	0.500 0.500	35949N 416500	410 410	N S
2.875 2.875	3.540 3.623	3.548 3.630	0.315 0.374	474230 415303	470 410	S S	2.938	3.938	3.945	0.500	476500N	470	N
2.875	3.623	3.628	0.500	3783	650	Н							
													61

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
												5.,15	
2.953	"				75n	nm	3.000	,,		3"			
2.953 75	3.268 83	3.425 87.00	0.157 4	◆ 710240	#	S	3.000 3.000	3.500 3.686	3.505 3.702	0.313 0.523	710028 7338N	# 560	U N
2.953 75	3.543 90	3.551 90.20	0.315 8	◆759008XX	320	S	2.988 3.000	3.740 3.751	3.751 3.756	0.315 0.375	3698← 476023N	320 470	H N
2.953 75	3.543 90	3.553 90.25	0.394 10	◆759010XX	320	S	3.000	3.751	-	0.375	9113N	470	V
2.953 2.953	3.661 3.740	3.666 3.751	0.315 0.394	39804 ◆227530	TFW-H 350	ł T S	3.000	3.751	3.758	0.437	417349	410	S
75	95	95.28	10	· == · 000			3.000 3.000	3.751 3.876	3.758 3.883	0.500 0.437	415281N 417350	410 410	N S
2.953	3.740	3.751		♦ 716445	350	V	3.000 3.000	3.876 3.876	3.883 3.883	0.437 0.437	455479 455479V	450 450	S V
75 2.953	95 3.740	95.28 3.751	10 0.394	◆759510XX	350	S		0.070	0.000	0.407	1001707		
75 2.953	95 3.937	95.28 3.948	10 0.394	♦ 227540	320	S	3.000 3.000	3.876 3.936	3.887 3.941	0.500 0.500	355526 455509	350 450	S S
75 2.953	100 3.937	100.28 3.945	10 0.394	◆75X10010XX	320	S	3.000 3.000	3.999 4.000	4.004 4.008	0.437 0.500	453182 710011	450 #	S U
75 2.953	100 3.937	100.20 3.948		◆75X10012XX	320	S	3.000	4.000	4.004	0.656	710009	#	Ü
75 	100	100.27	12				3.000	4.003	4.008	0.250	45013S	40S	S
2.953 75	3.937 100	3.948 100.28	0.512 13	♦227550←	320	Н	3.000 3.000	4.003 4.003	4.008 4.008	0.375 0.375	415995 415995A	410 410	S A
2.953 75	3.937 100	3.944 100.18	0.512 13	♦ 710384	250	S	3.000 3.000	4.003 4.003	4.008 4.010	0.375 0.437	415995V 415013	410 410	V S
2.953 75	4.134 105	4.144 105.27		◆75X10513XX	320	S		4.000	1.010	0.407	4450401		
2.953 75	4.331 110	4.339 110.20	0.472 12	◆75X11012XX	320	S	3.000 3.000	4.003 4.003	4.010 4.010	0.437 0.437	415013N 415836	410 410	N S
2.953	4.409	4.416	0.394	710087	450	S	3.000 3.000	4.003 4.003	4.010 4.010	0.437 0.469	455013 455995N	450 450	S N
2.953	4.409	4.413	0.394	710376	#	S	3.000	4.125	4.132	0.437	417351	410	S
2.953 75	4.528 115	4.539 115.30	0.472 12	◆75X11512XX	350	S	3.000	4.125	4.132	0.438	455154	450	S
2.953 2.953	4.724 4.724	4.729 4.732	0.320 0.394	200322 ◆75X12010XX	2000 320	S S	3.000 3.000	4.249 4.249	4.254 4.254	0.437 0.468	417487 415086N	410 410	S N
75	120	120.20	10				3.000 3.000	4.249 4.249	4.256 4.256	0.468 0.468	455014 455086	450 450	S S
2.988	,,						3.000	4.331	4.336	0.500	415962	410	S
2.988	3.740	3.751	0.315	3698←	320	Н	3.000 3.000	4.375 4.500	4.382 4.507	0.625 0.469	417488 455088	410 450	S S
2.992	"				76n	nm	3.000 3.000	4.500 4.501	4.507 4.508	0.469 0.433	455088V 415088	450 410	V S
												410	
2.992 76	3.622	3.633 92.28	10	♦327995←	320	V	3.000 3.000	4.501 4.524	4.506 4.600	0.468 0.433	477163N 200133	470 2000E	N E S
2.992 76	3.622	3.633 92.28	10	◆4307V←	320	V	3.000 3.000	4.626 4.751	4.631 4.756	0.500 0.625	55548 416370	50S 410	S S
2.992 76	3.661	3.673 93.30	10	◆ 1019←	320	Н	3.000	4.875	4.881	0.625	455820	450	S
2.992 76	3.661	3.673 93.30	10	◆ 1019S←	320	H	3.000	4.938	4.943	0.740	3905	760	N
2.992 76	3.858 98	3.869 98.27	0.472 12	◆ 227610→	320	Н	3.000 3.000	4.999 5.500	5.007 5.506	0.438 0.531	455019 3143N	450 740	S N
2.992	4.016	4.024	0.374	♦ 710375	#		3.000 3.000	5.501 5.750	5.506 5.764	1.266 0.413	3592 712000	900 #	N N
76	102	102.20	9.50		ir	J							
							3.000	5.750	5.758	0.449	710008	740	N
							I						

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
0.000							3.125	4.562	4.567	1.198	5751	340	S
3.003 3.003 3.003 3.003 3.003	3.751 3.751 3.751 4.937	3.761 3.761 3.761 4.948	0.420 0.570 0.570 0.662	100495 4810V→ 714810← 4562V→	Unitize # # #	ed V V V	3.125 3.125 3.125 3.125 3.125 3.125	4.562 4.626 4.751 4.999 5.251	4.567 4.633 4.756 5.004 5.256	1.198 0.438 0.500 0.468 0.468	5751S 416297 416024 415021 415394	340 410 410 410 410	S S S S S
3.040	,,						3.125 3.125	5.985 7.000	6.000 8.250	0.955 1.003	9600S 6481S	# 510	S
3.040 3.040	3.937 6.412	3.946 6.418	0.250 0.658	355669 710090	350 #	S S	3.133	"					
3.062	,,	3	3 1/16	,			3.133	3.547	3.551	0.366	710106	#	S
3.062 3.062 3.062	4.230 4.249 4.999	4.350 4.254 5.004	0.390 0.625 0.468	200766 455015 455020	2000E 450 450	S S S	3.150	3.780	3.791	0.354	♦ 228005←	80m	nm V
3.071	,,				78n	nm	80 3.150 80	96 3.858 98	96.29 3.869 98.27	9 0.394 10	♦ 228008←	320	Х
3.071	3.937 100	3.948 100.27	0.394	◆78X10010XX	350	S	3.150 80	3.937 100	3.948 100.28	0.394 10	♦228009←	320	Н
3.071 78	4.134 105	4.142 105.20	0.394 10	◆78X10510XX	320	S	3.150 80 3.150	3.937 100 3.937	3.948 100.28 3.953	0.394 10 0.394	◆228012 712111→	350 TFW-H	S I T
3.071 78	4.528 115	4.535 115.20	0.394 10	◆78X11510XX	320	S	3.150	3.937	3.945	0.394	◆80X10010XX	350	
3.110	,,						80 3.150 80	100 3.937 100	100.20 3.948 100.28	10 0.512 13	♦ 228010←	320	Н
3.110 3.110	- 3.898	5.750 3.913	0.375 0.378	7896S 712126←	510 TFW-H	S H T	3.150 80	3.937 100	3.948 100.28	0.512 13	♦ 228015→	320	Н
3.125	,,		3 1/8"				3.150 3.150	3.937 3.937	3.953 3.953	0.512 0.512	712115→ 712120→	TFW-H	
3.125 3.125 3.125 3.125 3.125	3.750 3.751 3.936 4.003	8.250 3.768 3.756 3.943 4.010	0.571 0.437 0.250 0.512 0.438	6649 712100← 45825S 2260 416404	520 TPDW 40S 480 410	S I S V S	3.150 3.150 80 3.150 80 3.150 80	3.937 4.134 105 4.134 105 4.134 105	3.953 4.142 105.20 4.145 105.28 4.144 105.27	13	712123→ ◆80X10510XX ◆228020 ◆80X10513XX	TFW-H 320 320 480	I T S S
3.125 3.125 3.125	4.003 4.003 4.125	4.008 4.008 4.130	0.500 0.500 0.375	457034 714470 417621	450 480 410	V V S	3.150 80	4.331 110	4.342 110.29		♦ 228030	350	S
3.125 3.125	4.125 4.125	4.130 4.132	0.437 0.500	39809 416011	TW-H 410		3.150 80	4.331	4.342 110.28	10	♦80X11010XX	320	S
3.125	4.125	4.130	0.562	415156N	410	N	3.150 80 3.150	4.331 110 4.724	4.342 110.28 4.732	12	◆80X11012XX ◆80X12010XX	350 320	S S
3.125 3.125 3.125 3.125	4.126 4.175 4.249 4.249	4.130 4.186 4.256 4.254	0.437 0.295 0.500 0.625	39817 8976S 416288 415016N	TFW-H 490 410 410	H T S S N	3.150 80	120 4.724 120	120.20 4.735 120.28	10 0.512 13	♦80X12013XX	320	S
3.125 3.125 3.125 3.125 3.125	4.376 4.450 4.500 4.562	4.383 4.456 4.507 4.567	0.500 0.880 0.500 0.760	417171 710080 417172 6644	410 # 410 50S	S S S S	3.180	4.180	4.185	0.750	3385	740	S

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
							3.250	4.626	4.633	0.500	417353	410	s
3.187	"	3	3 3/16	,			3.250 3.250	4.723 4.751	4.729 4.756	0.468 0.484	415577 456305	410 450	S S
								4.751	4.750	0.404	430303	430	
3.187 3.187	4.376 4.501	4.381 4.508	0.500 0.500	417490 455336	410 450	S S	3.250	4.999	5.004	0.468	415023	410	S
3.187	4.650	4.625	0.442	6358	470	S	3.250 3.250	5.251 5.500	5.256 5.506	0.468 0.500	455328 417987N	450 410	S N
3.187	4.999	5.004	0.468	455022	450	S			3.300	0.500	41790711	410	14
3.188	"						3.253	"					
							3.253	4.249	4.260	0.635	100494	Unitize	d //
3.188	4.250	4.257	0.469	456105	450	S	3.253	5.500	5.511	0.630	4544V→	#	V
3.209	"						3.253	5.500	5.511	0.635	100557	Unitize	d V
							3.268	"				83n	nm
3.209	3.535	-	0.091	710293	#	S							
3.228	,,				82n	nm	3.268 83	3.937 100	3.948 100.28	0.354 9	♦228250←	320	Н
0.220					OZII				100.20	<u> </u>			
3.228	3.791	3.802	0.315	40375←	320	Т	3.298	"					
3.228 3.228	3.918 4.134	3.928 4.146	0.500 0.512	320691 1945 <i>←</i>	320 320	V H		4.40=	4.400	0.500	455500	450	_
3.228	4.134	4.146	0.512	♦228480←	320	Н	3.298 3.298	4.125 4.125	4.130 4.130	0.562 0.562	455500 475500	450 470	S S
82 3.228	105 4.134	105.32 4.144	13 0.512	♦82X10513XX	250	S				0.002	., 5555		
82	105	105.25	13				3.307	,,				84n	nm
3.249	"						3.307	3.937	3.941	0.394	710294	470	S
							3.307	4.094	4.105	0.433	♦228410←	320	V
3.249	4.468	4.488	0.318	200870	2000E	S	3. 307	104 4.646	104.27 4.650	11 0.276	710363←	#	V
3.250	"		3 1/4"				3.312	,,	•	3 5/16	15		
							0.012			3 3/10			
3.250 3.250	3.879 4.003	3.881 4.008	0.375 0.375	710180 417433	470 410	V S	3.312	4.248	4.255	0.437	416292	410	S
3.250	4.003	4.008	0.373	417433	410	S	3.312 3.312	4.376 4.751	4.381 4.756	0.500 0.500	417491 416313	410 410	S S
3.250	4.003	4.008	0.468	55563	50S	T	3.312	4.999	5.004	0.468	455024	450	S
3.250	4.125	4.130	0.562	455566	450	S	3.313	"					
3.250	4.249	4.254	0.375	296470	290	F	3.313						
3.250 3.250	4.249 4.249	4.254 4.256	0.375 0.375	416470N 476470	410 470	N S	3.313	4.500	4.507	0.438	415085	410	S
3.250	4.249	4.254	0.468	411275	410	V	3.313	4.500	4.507	0.438	456648	450	S
3.250	4.249	4.256	0.469	415304	410	S	3.330	,,					
3.250	4.249	4.256	0.500	455018	450	S							
3.250	4.249	4.256	0.500	455018N	450	Ν	3.330	4.125	4.130	0.562	477055	470	S
3.250 3.250	4.249 4.249	4.282 4.260	0.650 0.662	4875N→ 4543V→	# #	N V	3.330 3.330	4.125 5.045	4.130 5.050	0.562 0.800	477055S 710088	47 #	S S
3.250	4.250	4.255	0.500	710016	#	U	0.046	,,				05	
3.250	4.376	4.383	0.500	417181	410	S	3.346					85n	
3.250	4.500	4.600	0.315	7208S	2000E	S	3.346	4.134	4.145	0.394	♦ 716102←	320	Н
3.250	4.500	4.506	0.375	418028	410	S	85	105	105.28	10			
3.250 3.250	4.500 4.500	4.507 4.507	0.438 0.438	415137 455137	410 450	S S	3.346 85	4.134 105	4.145 105.28	10	♦85X10510XX	320	S
							3.346 85	4.134 105	4.145 105.28	0.512 13	♦85X10513XX	320	S
3.250 3.250	4.500 4.500	4.507 4.507	0.500 0.718	417352 6584S	410 740	S S	3.346	4.331	4.339	0.394	♦85X11010XX	350	S
J.230	4.000	4.007	0.710		7 40		85	110	110.20	10			

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
3.346 85	4.331 110	4.342 110.29	0.472	♦ 228520	350	S	3.437	4.876	4.881	0.500	417494	410	S
				05)///0/00/0/	050		3.437	4.999	5.004	0.468	455026	450	S
3.346 85 3.346	4.331 110 4.449	4.342 110.28 4.457	0.472 12 0.413	◆85X11012XX 710330	350 #	S	3.437	5.250	5.256	0.468	455471	450	S
3.346 3.346 85	4.528 115	4.528 115.00		◆85X11513XX	350	N S	3.438)					
3.346 85	4.724 120	4.735 120.28		♦85X12012XX	320	S	3.438 3.438	4.249 4.756	4.256 4.764	0.375 0.563	455499 455858	450 450	S S
3.346 85	4.921 125	4.929 125.20	0.472 12	♦85X12512XX	320	S	3.465		4.704	0.000	100000	88n	
3.346	5.118	5.124	0.500	♦85X13013XX	480	S							
85	130	130.15	12.70				3.465 88 3.465	4.173 106 4.252	4.184 106.27 4.263	8.50	◆710188← ◆3772←	320 350	V H
3.374	"						88 3.465	108 4.331	108.28 4.342	0.433 11 0.472	◆88X11012XX	350	S
3.374	4.375	4.382	0.374	412473	410	S	88	110	110.28	12	♥ 00X11012XX	330	3
3.375	"		3 3/8"				3.468	,,,					
3.375	3.948	3.955	0.375	5128N	320	N	3.468	4.626	4.631	0.625	2055	470	S
3.375 3.375	3.948 4.125	3.955 4.130	0.375 0.375	710077 415442	320 410	S	3.500	"		3 1/2"			
3.375 3.375	4.249 4.249	4.256 4.256	0.500 0.500	416294 416294V	410 410	S V	3.500	4.000	4.005	0.313	710029	#	U
3.375	4.376	4.383	0.500	415894	410		3.500 3.500	4.125 4.125	4.130 4.130	0.250 0.250	446927 45525S	440 40S	S S
3.375 3.375	4.376 4.499	4.381 4.504	0.625 0.468	415164N 455165	410 450	N S	3.500 3.500	4.125 4.331	4.130 4.346	0.312 0.472	710030 712116→	# TFW-F	U
3.375 3.375	4.500 4.501	4.507 4.506	0.500 0.468	417191 456585	410 450	S S	-						
	1.001	1.000	0.100				3.500 3.500	4.375 4.376	4.381 4.383	0.562 0.500	415899N 416624	410 410	N S
3.375 3.375	4.626 4.688	4.633 4.693	0.500 0.500	417354 55249	410 450	S S	3.500 3.500	4.376 4.437	4.383 4.437	0.500 0.437	416624N 5965	410 80S	N S
3.375 3.375	4.751 4.999	4.756 5.004	0.500 0.468	416321 415025	410 410	S	3.500	4.450	4.455	0.525	9339S	2780	S
3.375	5.251	5.256	0.468	416327	410	S	3.500	4.499	4.508	0.250	345146	340	S
3.386	,,				86n	nm	3.500	4.499	4.504	0.468	415146	410	S
0.000					001		3.500 3.500	4.499 4.500	4.504 4.506	0.468 0.500	455146 710015	450 #	S U
3.386 86	4.055 103	4.066 103.28	0.394 10	♦ 710235←	320	V	3.500	4.501	4.506	0.438	415991	410	S
3.386 86	4.094 104	4.109 104.37		◆ 710232	320	V	3.500	4.501	4.506	0.438	415991N	410	N
							3.500 3.500	4.501 4.501	4.506 4.506	0.468 0.875	712750 15305S	410 10S	V S
3.425	"				87n	nm	3.500 3.500	4.626 4.750	4.633 4.758	0.500 0.500	417196 415437	410 410	S S
3.425 87	3.937 100	3.948 100.28	0.315	♦ 228700←	320	Н	-						
							3.500 3.500	4.750 4.750	4.758 4.758	0.500 0.500	455173 476424N	450 470	S N
3.437	,,		3 7/16 ³	,			3.500 3.500	4.751 4.875	4.756 4.881	0.500 0.500	455437N 417198	450 410	N S
3.437	4.249	4.254	0.375	418029	410	S	3.500	4.999	5.004	0.468	415027H	410	Н
3.437 3.437	4.501 4.501	4.506 4.506	0.375 0.625	417492 55419	410 50S	S S	3.500	4.999	5.004	0.468	415027N	410	N
3.437	4.626	4.631	0.500	417493	410	S	3.500	4.999	5.004	0.468	455027	450	S
							3.500 3.500	4.999 4.999	5.004 5.004	0.468 0.468	455027N 485027	450 480	N N
	# Special F	eature/Appli	cation •	Metric Seal * Check f	or Availab	oility	← Left Ha	and Helix -	→ Right Han	d Helix ↔	· Bi-Directional Helix		65

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
3.500	5.126	5.131	0.500	417495	410	S							
							3.620	,,					
3.500	5.126	5.131	0.625	715319	470	N							
3.500 3.500	5.250 5.251	5.258 5.256	0.562 0.468	6612S 415559	# 410	S S	3.620	4.625	4.630	0.400	39882	TFW-H	Т
3.500	5.500	5.505	0.500	417496	410	S	0.000	,,				00.	
3.500	5.751	5.756	0.562	455396	450	S	3.622					92m	
3.504	,,				89n	nm	3.622 92	4.724 120	4.734 120.24	0.512 13	♦92X12013XX	350	S
3.504	4.134	4.145	0.394	◆ 710189←	470	V	3.625	,,		3 5/8"			
89 3.504	105 4.291	105.28 4.299	10 0.354	229004←	320	Н	3.025			ა			
							3.625	4.240	4.251	0.390	3909←	350	V
3.543	,,				90n	nm	3.625	4.375	4.382	0.374	456744N	450	N
							3.625 3.625	4.376 4.376	4.381 4.381	0.375 0.375	417698 417698S	410 41	S S
3.543 90	4.094 104	4.105 104.27	0.433 11	♦ 710237←	320	V	3.625	4.499	4.504	0.468	415389	410	Š
3.543	4.252	4.261	0.394	710219←	320	Ν							
3.543 90	4.331 110	4.342 110.29	0.354	♦ 229005←	320	V	3.625	4.499	4.504	0.468	415389N	410	Ν
3.543	4.331	4.342	0.354	♦ 229006←	320	Н	3.625 3.625	4.624 4.625	4.630	0.500 0.437	487397V→	480	V S
90	110	110.29	9				3.625	4.626	4.631 4.633	0.437	416332 416047	410 410	S
3.543 90	4.331 110	4.342 110.29	0.354 9	♦ 229010←	320	Н	3.625	4.695	4.810	0.395	200603	2000E	
3.543	4.331	4.346	0.472	712124→	TFW-F	— I Т	3.625	4.750	4.758	0.500	415937	410	S
3.543	4.331	4.339	0.472	♦90X11012XX	350	S	3.625	4.751	4.756	0.500	39703	TFW-H	
90	110	110.20	12				3.625 3.625	4.751 4.839	4.756 4.844	0.500 0.500	39813 55353	TW-H 50S	T S
3.543 90	4.528 115	4.535 115.20	0.472 12	◆90X11512XX	320	S	3.625	4.875	4.883	0.500	417355	410	S
3.543 90	4.724	4.735	0.472 12	♦90X12012XX	320	S							
3.543	120 4.921	120.28 4.949	0.276	♦90X12507XX	320	S	3.625	4.875	4.883	0.500	485497	480	S
90	125	125.70	7				3.625 3.625	4.999 5.251	5.007 5.256	0.500 0.437	416125 417499	410 410	S S
							3.625	5.375	5.381	0.500	415832	410	S
3.543 90	4.921 125	4.933 125.30	0.512 13	♦90X12513XX	320	S	3.625	5.501	5.506	0.500	417500	410	S
3.543	5.709	5.717	0.551	♦90X14514XX	320	S	-						
90	145	145.20	14	3086E	#	Т	3.625	5.751	5.756	0.562	415436	410	S
3.543	6.215	6.220	0.562	39865	#	'	3.661	,,				93m	nm
3.562	,,	(3 9/16	,,									
							3.661	4.488	4.500		◆ 710288←	320	S
3.562 3.562	4.499 4.625	4.504 4.631	0.468 0.500	415498 415711	410 410	S S	93 3.661	114 6.063	114.30 6.071	13 0.315	♦ 710266	#	S
3.562	4.023	4.756	0.500	417497	410	S	93	154	154.20	8	v		
3.562	4.755	4.761	0.550	9584	740	S							
3.562	4.876	4.881	0.500	417498	410	S	3.687	,,	3	11/16)		
3.562	4.999	5.004	0.468	55028	50S	S	3.687	4.501	4.506	0.500	416919	410	S
							3.687	4.501	4.506	0.500	416919N	410	N
3.583	,,				91n	nm	3.687 3.687	4.750 4.999	4.756 5.004	0.500 0.468	417501 55030	410 50S	S S
							3.687	5.250	5.256	0.468	416670	410	S
3.583 91	4.331 110	4.342 110.29	0.335 8.50	♦ 229210←	320	V							
3.583	4.370	4.381	0.394	◆ 710056←	470	V	3.687	5.501	5.506	0.500	417502	410	S
91	111	111.28	10										

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
3.736	,,						3.780	,,					
3.736	4.724	4.740	0.512	712119→	TFW-H	I T	3.780 3.780	4.567 4.606	4.577 4.617	0.354 0.472	710262 710205	320 320	V V
3.740	,,				95m	nm	3.797	,,					
3.740 95	4.331 110	4.339 110.20	0.394 10	♦95X11010XX	320	S	3.797	4.501	4.506	0.250	8370S	40S	S
3.740 95	4.331 110	4.342 110.29	0.433 11	◆ 717005←	320	S	0.010	,,	-	10/10	. 7 7		
3.740 95	4.449 113	4.453 113.10	0.394 10	♦ 710352	470	V	3.812		ა	13/16			
3.740	4.525	4.536	0.492	4359V←	320	٧	3.812	4.876	4.881	0.500	417504	410	S
3.740	4.528	4.537	0.394	717006	450	S —	3.812 3.812	4.999 5.251	5.004 5.256	0.468 0.468	455032 455189	450 450	S S
3.740 95	4.528 115	4.539 115.28	0.472 12	♦95X11512XX	350	S	3.858	,,				98n	nm
3.740 95	4.646 118	4.657 118.29	0.394	◆ 710060←	320	Н							
3.740 95	4.724 120	4.735 120.28	0.472	♦95X12012XX	350	S	3.858 3.858	4.525 4.724	4.540 4.732	0.620 0.512	100085← ◆98X12013XX	# 350	T S
3.740	4.921	4.932	0.472	♦95X12512XX	350	S	98	120	120.20	13	70071.20107.01		
95 3.740	125 5.118	125.28 5.129	12 0.472	229520	350	S	3.875	,,		3 7/8"			
3.740	5.118	5.129	0.472	♦95X13012XX	350	S	3.875	4.751	4.756	0.375	417210	410	s
95 3.740	130 6.772	130.28 6.775	12 1.102	39926	TW-H	Т	3.875 3.875	4.875 4.999	4.883 5.004	0.500 0.468	417211 455033	410 450	S S
3.750	,,		3 3/4"				3.875 3.875	4.999 5.125	5.007 5.133	0.500 0.500	416345 415697	410 410	S S
3.750 3.750 3.750 3.750 3.750	4.375 4.500 4.500 4.500 4.500	4.381 4.507 4.507 4.507 4.506	0.313 0.468 0.468 0.468 0.468	710035 415983 415983N 415983V 713750	# 410 410 410 690	U S N V	3.875 3.875 3.875 3.875 3.875	5.125 5.126 5.250 5.375 5.375	5.133 5.131 5.258 5.383 5.383	0.500 0.625 0.500 0.438 0.438	455547 55547 417366 455958 455958S	450 450 410 450 450	S S S S S
3.750 3.750 3.750 3.750 3.750 3.750	4.501 4.626 4.750 4.750 4.750	4.506 4.633 4.756 4.756 4.756	0.362 0.500 0.500 0.500 0.500	2377 416041 3893V 39608 39705	350 410 450 TDW-H TFW-H		3.875 3.875 3.875 3.875	5.375 5.376 5.501 5.751	5.383 5.381 5.506 5.756	0.438 0.500 0.500 0.562	455958S 415958 417505 416043	450 410 410 410	S S S S
3.750 3.750 3.750 3.750 3.750	4.750 4.750 4.750 4.750 4.751	4.756 4.758 4.758 4.758 4.756	0.500 0.500 0.500 0.500 0.500	39837 415379 455379 455379V 2218	TW-H 410 450 450 470	T S S V H	3.880 3.934	5.690	5.695	0.500	55581	450	S
3.750 3.750 3.750 3.750 3.750	4.751 4.875 4.999 4.999 4.999	4.756 4.883 5.004 5.004 5.007	0.875 0.500 0.250 0.468 0.500	15379S 417205 45031S 455031 416339	10S 410 40S 450 410	S S S S	3.934 3.937 3.937	5.905	5.911 4.496	0.500 0.472	476517 ◆710410	470 100n 470	s nm s
3.750	5.251	5.256	0.468	415150	410	S	100 3.937	114 4.724	114.20 4.736	12 0.394	◆10X012010XX	350	S
3.750 3.750	5.376 5.501	5.381 5.506	0.500 0.500	416127 417503	410 410	S S	100 3.937 100	120 4.724 120	120.30 4.735 120.27	10	♦ 231004	320	Н

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style M	latl
3.937 3.937	4.724 4.724	4.734 4.735	0.433 0.472	712105← ◆10X012012XX	TW 350	T S	4.000	5.125	5.133	0.500	455188	450	S
3.937	120 4.724	120.28	12	♦ 231002	350		4.000 4.000 4.000	5.250 5.251 5.251	5.258 5.256 5.256	0.500 0.468 0.468	417357 415192N 455192	410 410 450	S N S
100 3.937 3.937	120 4.876 4.882	120.13 4.881 4.890	12 0.500 0.512	417967 710290	410 320	S V	4.000 4.000 4.000	5.251 5.375 5.501	5.256 5.383 5.506	0.466 0.500 0.562	416130 415036	410 410	SS
3.937 100 3.937 100	4.921 125 4.921 125	4.932 125.28 4.935 125.35	0.472 12 0.472 12	◆10X012512XX ◆231003	350 350	S S	4.000 4.000 4.000	5.625 5.626 5.751	5.633 5.632 5.756	0.437 0.375 0.562	455513 417507 415041	450 410 410	S S S
3.937 3.937 3.937	4.999 4.999 5.118	5.004 5.004 5.129	0.468 0.468 0.472	415034 455034 ◆10X013012XX	410 450 350	S S S	4.000 4.000 4.016	5.999 6.250	6.005 6.256	0.500 0.500	417509 417223	410 410 102 m	s s nm
100 3.937 3.937 100	130 5.251 5.315 135	130.28 5.256 5.329 135.36	12 0.468 0.394 10	455191 ◆710351←	450 320	S H	4.016 102	5.118 130	5.129 130.28	0.512 13	◆10X213013XX	350	S
3.937 3.937	5.315 5.371	5.323 5.377	0.591 0.906	710391 <i>←</i> 6270	940 210	H S	4.050	"					
3.937 3.937	5.376 5.709	5.384 5.713	0.500 1.024	415263 710278	410 #	S N	4.050 4.062	5.501	5.506	0.671	6864S	450	S
3.938 3.938	4.876	4.884	0.438	455186	450	S	4.062 4.062	5.501 6.191	5.506 6.197	0.562 0.625	455037 57831	450 50S	S S
3.976	,,				101r	nm	4.125	,,,		4 1/8"			
3.976 101	4.488 114	4.492 114.10	0.394 10	♦ 710371	250	S	4.125 4.125 4.125	4.998 4.999 4.999	5.006 5.004 5.005	0.437 0.468 1.037	455134 6565N 37921	450 410 TPDW	S N T
4.000	,,		4"				4.125 4.125	5.126 5.251	5.132 5.256	0.500 0.468	417511 415142	410 410	S S
4.000 4.000 4.000 4.000 4.000	4.562 4.625 4.750 4.750 4.876	4.568 4.631 4.756 4.756 4.881	0.375 0.313 0.313 0.562 0.250	335924N 710036 710031 457294 45187S	330 # 450 40S	N U S S	4.125 4.125 4.125 4.125	5.501 5.751 6.000 6.250	5.506 5.756 6.007 6.256	0.500 0.562 0.625 0.562	417512 415043 455203 455056	410 410 450 450	S S S S
4.000	4.876	4.881	0.625	415187	410	s	4.134	,,				105m	nm
4.000 4.000 4.000 4.000	4.998 4.998 4.998 4.998	5.006 5.006 5.006 5.006	0.468 0.468 0.468	327215 415035 455035 455035N	320 410 450 450		4.134 4.134 105	4.724 4.921 125	4.732 4.932 125.28	0.433 0.512 13	231052 ◆10X512513XX	320 320	H S
4.000	4.998	5.006	0.500	710022	450	Н	4.134 4.134 105	5.118 5.118 130	5.124 5.129 130.28	12	712107→ ◆10X513012XX	TFW-H 350	S
4.000 4.000 4.000 4.000	4.999 4.999 4.999 4.999	5.008 5.004 5.004 5.005	0.312 0.375 0.469 0.500	345035 475845 714713↔ 37939	340 470 960 TPDV		4.134	5.118	5.128	0.472	712004← 710349	320 #	V V
4.000 4.000	4.999 5.000	5.007 5.005	0.500 0.312	415953 456967V	410 450		4.134 105	5.512 140	5.523 140.28	0.472 12	◆10X514012XX	350	S
4.000 4.000	5.000 5.125	5.005 5.133	0.500 0.500	39723 417356	TFW-1 410	ΗТ	4.166 4.166	5.501	5.509	0.610	9128S	450	S

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style I	Vlatl
							4.331	5.906	5.917	0.591	◆11X015015XX	350	S
4.173	,,				106	mm	110 4.331	150 6.693	150.28 6.700	15 0.500	476518	470	S
4.173 4.173	4.843 4.961	4.846 4.975	0.433 0.472	710295 ◆710366←	470 320		4.375	"		4 3/8'	,		
106	126	126.37	12				4.375	5.373	5.500	0.570	7354N	80S	N
4.187	""	4	4 3/16	,			4.375 4.375	5.375 5.376	5.425 5.381	0.500 0.500	4291V 415425	# 410	V S
4 107	4.999	E 004	0.469	415005	410		4.375	5.500	5.506	0.500	416380	410	S
4.187 4.187	5.251	5.004 5.256	0.468 0.468	415295 455194	410 450	S	4.375	5.500	5.508	0.563	455198	450	3
4.187 4.187	5.501 5.751	5.506 5.756	0.500 0.500	417513 417514	410 410		4.375	5.501	5.506	0.500	39849	TFWH	Т
4.187	6.000	6.007	0.500	417515	410		4.375 4.375	5.626 5.751	5.631 5.756	0.500 0.562	416147 415047	410 410	S S
							4.375	5.999	6.005	0.500	416149	410	S
4.187	6.250	6.256	0.500	417516	410	S	4.375	6.064	6.071	0.625	6635S	450	S
4.250)"		4 1/4"				4.375	6.125	6.131	0.500	417522	410	S
4.050	E 050	5.050	0.500	44.0550	440	. 0	4.375 4.375	6.250 6.250	6.256 6.256	0.562 0.562	415060 455060	410 450	S S
4.250 4.250	5.250 5.251	5.258 5.259	0.500 0.251	416556 47150S	410 40S				0.200	0.502	400000		
4.250 4.250	5.251 5.251	5.256 5.256	0.375 0.468	472157 455195	470 450		4.409	"				112r	nm
4.250	5.251	5.256	0.468	485195H	480		4.409	5.512	5.524	0.512	♦11X2140013X	X 350	S
							112	140	140.32	13	▼ 117/21400107	000	O
4.250 4.250	5.375 5.500	5.383 5.508	0.500 0.500	415196 416891	410 410		4.437	,,,					
4.250	5.625	5.633	0.500	416135	410		-11-107						
4.250 4.250	5.751 5.999	5.756 6.005	0.562 0.500	415045 416137	410 410		4.437	5.500	5.506	0.500	417295	410	S
							4.437 4.437	5.501 5.751	5.509 5.756	0.563 0.500	457295 417525	250 410	S S
4.250 4.250	6.126 6.250	6.133 6.256	0.500 0.562	417518 415058	410 410		4.437	5.999	6.007	0.500	417526	410	S
							4.488	"				114r	nm
4.312			4 5/16°				4.400	E E 10	E 500	0.540	111/11/10/10/0		
4.312	5.376	5.381	0.500	456141	450		4.488 114	5.512 140	5.523 140.28	0.512 13	♦11X414013XX	350	S
4.312 4.312	5.501 5.501	5.506 5.506	0.562 0.562	455197 455197N	450 450		4 500			4.4/01			
4.312	5.751	5.756	0.500	417520	410	S	4.500)"		4 1/2	,		
4.312	5.999	6.005	0.500	416144	410	S	4.500	5.251	5.259	0.437	327303	320	S
4.312	6.250	6.256	0.500	417238	410	S	4.500 4.500	5.375 5.500	5.383 5.514	0.438 0.500	417530 355200	410 350	S
4 221	,,				110	mm	4.500	5.500	5.508	0.500	416888	410	S
4.331					110	Ш	4.500	5.500	5.508	0.500	455200	450	S
4.331	5.118	5.132		♦ 2261←	470	V	4.500	5.500	5.508	0.500	455200N	450	N
110 4.331	130 5.118	130.35 5.129	10 0.472	♦11X013012XX	350	S	4.500 4.500	5.625 5.625	5.631 5.631	0.500 0.500	416153 456153	410 450	S
110 4.331	130 5.118	130.28 5.134	12 0.512	712112←	TW		4.500	5.750	5.758	0.500	416892	410	S
4.331	5.315	5.327	0.512	◆11X013513XX	320		4.500	5.876	5.881	0.500	417531	410	S
110 4.331	135 5.512	135.30 5.523		◆11X014012XX	320	S	4.500	6.000	6.014	0.500	416154	410	S
110	140	140.28	12				4.500	6.125	6.131	0.562	416070	410	S
4.331	5.512	5.521	0.512	◆11X014013XX	450	S	4.500 4.500	6.250 6.374	6.256 6.382	0.500 0.500	415351 417532	410 410	
110	140	140.23	13										
4.331 110	5.709 145	5.720 145.30	13	◆11X014513XX	350	S							
							-						69

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style M	lati
							4.724 120	5.512 140	5.520	0.472 12	♦ 717004	480	S
4.528	"				115r	nm	4.724 120	5.512 140	140.21 5.523 140.28	0.512	◆12X014013XX	350	S
4.528	5.315	5.329		◆ 710258←	320	V	4.724 4.724	5.512 5.512	5.524 5.520	0.512	712003←	320 320	V T
115 4.528	135 5.512	135.36 5.523	10 0.472	♦11X514012XX	350	S	4.724	5.512	5.520	0.512	712106	320	
115 4.528	140 5.709	140.28 5.720	0.512	♦11X514513XX	350	S	4.724 120	5.709 145	5.720 145.28	0.472 12	◆12X014512XX	350	S
115 4.528	145 5.709	145.30 5.717	13 0.551	♦11X514514XX	320	S	4.724 4.724	5.709 5.906	5.720 5.917	0.472	231204 •12X015012XX	350 350	S S
115 4.528	145 5.906	145.20 5.917	0.472	♦11X515012XX	350	S	120 4.724	150 6.299	150.28 6.310	12 0.472		350	S
115	150	150.28	12				120	160	160.28	12	♥ 12X010012XX	330	J
4.528 115	6.142 156	6.146 156.10	0.610 15.50	♦ 710372	#	S	4.750	"		4 3/4"	,		
4.562	"	4	1 9/16 [°]	,			4.750	5.375	5.381	0.313	710037	#	Α
						_	4.750 4.750	5.750 5.751	5.758 5.756	0.500 0.500	415138 714750	410 480	S V
4.562 4.562	5.751 5.999	5.756 6.007	0.500 0.500	417533 417534	410 410		4.750 4.750	5.876 5.999	5.881 6.007	0.500 0.625	417538 415213N	410 410	S N
4.562	6.250	6.256	0.500	457585	450	S	4.750	0.000	0.000	0.500	20722	T) AI/ I	_
4.625	"		4 5/8"				4.750 4.750	6.000 6.000	6.006 6.006	0.562 0.562	39732 39825	TWH TFWH	
4.625	5.500	5.506	0.562	456641	450	Н	4.750 4.750	6.000 6.001	6.006 6.009	0.562 0.500	39827 417247	TDWH 410	T S
4.625 4.625	5.625 5.751	5.631 5.756	0.500 0.562	416156 415371	410 410		4.750	6.002	6.092	0.285	200642	2000	
4.625	5.875	5.881	0.625	455685	450	S	4.750	6.125	6.131	0.500	417252	410	S
4.625	5.999	6.007	0.500	416158	410	S	4.750 4.750	6.186 6.251	6.192 6.259	1.250 0.563	3100 415066	890 410	S S
4.625 4.625	6.186 6.250	6.192 6.256	1.250 0.562	2505 415064	890 410	S S	4.750	6.618	6.625	1.141	6663S	890	Š
4.625	6.622	6.629	1.093	7700S	210		4.812	"	4	13/16	3 "		
4.646	"						4.812	5.543	5.551	0.472	712449←	320	V
4.646	5.751	5.756	0.500	39952	TFWH	Т	4.812 4.812	5.544 5.751	5.552 5.756	0.535 0.562	3341 455251H	1000 450	H H
4.646	6.811	6.843	1.102	710089	#	S	4.812 4.812	5.999 6.250	6.007 6.256	0.500 0.500	416163 456890	410 450	S S
4.687	,,	4	11/16	"			4.820						
4.687	5.751	5.756	0.500	415284	410		4.820	5.751	5.756	0.750	75251S	70S	S
4.687 4.687	5.751 5.751	5.756 5.756	0.562 0.750	455378H 6329S	450 70S	S			3.730	0.730	732313	703	3
4.687 4.687	5.999 6.002	6.007 6.007	0.500 0.250	417535 45637S	410 40S		4.835	,,					
4.687	6.250	6.256	0.500	417536	410	s	4.835	5.749	5.756	0.375	39954	TDWH	Т
4.687	6.374	6.382	0.500	417537	410	S	4.874	"					
4.720	"						4.874	6.001	6.009	0.500	455091	450	S
4.720	6.312	6.318	0.473	457734	450	S	4.874	6.250	6.258	0.500	455068	450	S
4.724	,,				120r	nm	4.875	"		4 7/8"	,		
4.724	5.512	5.520	0.413	710084	470	S	4.875 4.875	5.999 6.125	6.007 6.131	0.500 0.500	416167 417267	410 410	S S
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Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
4.875 4.875	6.250 6.375	6.256 6.625	0.500 0.500	417269 7866S	410 750	S S	F 000	,,,				1000	
4.882		0.020	0.000	, 3000			5.039					128n	ılm
4.002							5.039 5.039	5.748 5.906	5.752 5.917	0.394 0.591	710411 ◆12X815015XX	470 350	S S
4.882 4.882	5.748 6.693	5.752 -	0.551 0.571	710405 ◆710381	470 #	S S	128	150	150.28	15			
124	170	-	14.50				5.062	"					
4.921	,,				125n	nm	5.062	6.374	6.382	0.625	455290	450	S
4.921	5.906	5.917	0.472	◆12X515012XX	320	S	5.062	6.994	7.004	1.312	7378	50S	S
125 4.921	150 5.906	150.28 5.920	12 0.472	♦ 231250	350	S	5.118	"				130n	nm
125 4.921	150 6.102	150.37 6.110	12 0.472	♦12X515512XX	320	S	5.118	5.906	5.909	0.394	◆13X015010XX	470	S
125 4.921	155 6.299	155.20 6.310	0.472	◆12X516012XX	350	S	130 5.118	150 5.906	150.10 5.914	10 0.394	◆ 710380	470	S
125 4.921	160 6.693	160.28 6.701	12 0.591	◆12X517015XX	320	S	130 5.118	150 5.906	150.22 5.921	10 0.512	712114←	TFW-F	
125	170	170.20	15				5.118 5.118	5.906 5.906	5.923 5.923	0.571 0.583	39806→ 39805	TFW-F	
4.937	,,						5.118	6.299	6.310	0.472	◆13X016012XX	350	
4.937 4.937	5.999 6.250	6.007 6.256	0.500 0.500	417539 417273	410 410	S S	130 5.118	160 6.299	160.28 6.307	12 0.591	◆13X016015XX	320	S
4.937	6.374	6.382	0.500	417540	410	S	130 5.118	160 6.693	160.20 6.705	15 0.472	◆13X017012XX	350	s
4.993	"		5"				130 5.118	170 6.693	170.30 6.704	12 0.591	◆13X017015XX		s
4.993	6.000	6.006	0.413	39881	TFW-H	4 T	130	170	170.28	15			
		0.000		00001	11. ** 1		5.125	"		5 1/8"			
5.000			5"				5.125	6.125	6.131	0.500	416557	410	S
5.000 5.000	5.750 5.751	5.756 5.756	0.313 0.500	710032 3492V	# 480	U V	5.125 5.125	6.125 6.250	6.131 6.256	0.500 0.500	456557 417258	450 410	V S
5.000	5.999	6.006	0.413	39880	940	Т	5.125 5.125	6.374 6.499	6.382 6.507	0.500 0.500	417546 417547	410 410	S S
5.000 5.000	6.000 6.000	6.006 6.016	0.413 0.591	39801 712109←	TFW-H								
5.000	6.001	6.009	0.500	415725	410	S	5.187			5 3/16 ³			
5.000 5.000	6.125 6.126	6.131 6.131	0.500 0.562	39958 417584	TFW-H 410		5.187 5.187	6.499 6.500	6.507 6.507	0.500 0.625	417548 455956H	410 450	S H
5.000 5.000	6.250 6.250	6.256 6.258	0.250 0.500	204509 455070	2040 450	S S	5.250			5 1/4"			
-							5.250			J 1/4			
5.000 5.000	6.250 6.251	6.256 6.250	0.500 0.500	456865N 416865	450 410	N S	5.250 5.250	6.250	6.256	0.500 0.250	357262H← 447060	350 440	S S
5.000	6.375	6.381	0.500	417278	410	S	5.250	6.250	6.264	0.251	345448	340	S
5.000 5.000	6.499 6.622	6.507 6.629	0.500 0.906	417541 8126S	410 890	S S	5.250 5.250	6.250 6.250	6.256 6.256	0.500 0.500	417262 417262V	410 410	S V
5.000	6.749	6.757	0.500	417542	410	S	5.250	6.250	6.256	0.562	455448	450	S
5.000	6.874	6.882	0.500	417543	410	S	5.250	6.375	6.381	0.500	417358	410	S
5.000 5.000	6.877 7.000	6.884 7.007	0.625 0.500	415897 417544	410 410	S S	5.250 5.250	6.500 6.500	6.507 6.508	0.562 0.625	415645 455104	410 450	S
5.000	7.500	7.507	0.500	417545	410	S	5.250	6.625	6.632	0.562	417359	410	S S
							5.250	6.750	6.757	0.500	417549	410	S

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
							5.512	6.299	6.310	0.512	♦14X016013XX	350	S
5.312	"						140 5.512	160 6.299	160.27 6.310	13 0.512	231402	350	S
							5.512	6.693	6.705	0.312	◆14X017012XX	320	S
5.312	6.500	6.507	0.500	417550	410	S	140	170	170.30	12			
							5.512 140	6.693 170	6.701 170.21	0.551 14	◆ 710406	470	S
5.315	"				135n	nm		170	170.21				
- 04-	2 222	0.044	0.540	10)/510010)//	0.50		5.512	6.693	6.710	0.591	◆14X017015XX	350	S
5.315 135	6.299 160	6.314 160.38	0.512	♦13X516013XX	350	S	140	170	170.43	15	. 4 4 4 4 0 1 0 0 1 0 7 7 7	050	0
.00	.00		.0				5.512 140	7.087 180	7.098 180.30	0.472 12	◆14X018012XX	350	S
5.375	"		5 3/8"				5.512	7.087	7.102	0.709	◆14X018018XX	320	S
							140	180	180.38	18			
5.375	6.374	6.380	0.500	417551	410	S	5.625	,,		5 5/8"	,	143n	nm
5.375 5.375	6.499 6.624	6.507 6.632	0.562 0.562	455576	450	S S	0.010			0 0/0			
5.375	6.749	6.757	0.502	415938 417554	410 410	S	5.625	6.626	6.634	0.516	♦ 417555	410	S
5.375	6.875	6.882	1.000	3292	890	S	143	168.30	168.50	13.10			
							5.625	6.874	6.882	0.500	417556	410	S
5.375	7.874	7.881	0.750	416112	410	S	5.625	7.125	7.131	0.500	417040	410	S
5.428	,,						5.669	"				144n	nm
0.720													
5.428	6.500	6.505	0.420	710425	2300	S	5.669 144	6.299 160	6.309 160.25	0.472 12	♦14X416012XX	350	S
							144	100	100.25	12			
5.433	"				138n	nm	5.709	"				145n	nm
F 400	F 004	F 000	0.470	. 10//015010///	470	0							
5.433 138	5.984 152	5.988 152.10	0.472	♦13X815212XX	470	S	5.709	6.457 164	6.461 164.10	0.551 14	♦14X516414XX	470	S
5.433	5.984	5.992		◆ 710368	470	S	145 5.709	6.457	10.398	0.551	◆ 710369	470	S
138	152	152.20	12				145	164	264.10	14			
E 407	"						5.709 145	6.693 170	6.711 170.45	0.472	♦14X517012XX	350	S
5.437							148	170	170.43	15			
E 427	6.740	6 757	0.625	EE0E7	EOC	S	5.709	6.890	6.905	0.591	♦14X517515XX	350	S
5.437	6.749	6.757	0.023	55357	50S	3	145	175	175.38	15			
5.500	"		5 <mark>1/2</mark> "				5.709	7.087	7.098	0.472	◆14X518012XX	350	S
							145	180	180.28	12			
5.500	6.250	6.257	0.500	476842	470	S	E 750	,,,		5 3/4"	ı		
5.500 5.500	6.312 6.500	6.316 6.507	1.250 0.562	6872S 417254	470 410	S S	5.750			J 3/4			
5.500	6.500	6.505	1.125	6873S	430	Š	E 750	6.624	6 600	0.605	415447	410	0
5.500	6.625	6.632	0.562	417360	410	S	5.750 5.750	6.750	6.632 6.757	0.625 0.575	415447 417362	410 410	S S
							5.750	6.875	6.882	0.562	417363	410	S
5.500	6.625	6.632	0.670	3054	410	Н	5.750	7.001	7.008	0.562	416666	410	S
5.500 5.500	6.749 6.750	6.757 6.758	0.625 0.575	455073 416107	450 410	S S	5.750	7.125	7.132	0.562	417364	410	S
5.500	6.875	6.882	0.562	417361	410	S							
5.500	6.997	7.004	1.250	7006S	430	S	5.750 5.750	7.500 7.874	7.508 7.881	0.562 0.750	416039 416029	410 410	S S
							5.750	7.874	7.881	0.750	416029N	410	N
5.500	7.000	7.007	0.625	415610	410	S							
5.500 5.500	7.125	7.133	0.625	416191	410	S	5.827	"				148n	nm
5.500 5.500	7.500 7.624	7.507 7.631	0.562 1.250	456192 8635S	450 210	S							
							5.827 148	6.693 170	6.704 170.28	0.591 15	◆14X817015XX	350	S
5.512	"				140n	nm	140	170	170.20	13			
	0.55-	0.55=	o :==			_							
5.512 140	6.299 160	6.307 160.20	0.472 12	◆14X016012XX	320	S							
70							1						

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
							6.142	7.087	7.102	0.591	712122←	TFW-H	
5.875	"		5 7/8"				6.187	"					
5.875 5.875 5.875 5.875	7.125 7.125 7.500 7.999	7.133 7.135 7.508 8.007	0.500 0.625 0.562 0.750	416476 455075 455297 456052	410 450 450 450	S S S	6.187 6.198	7.500	7.507	0.562	455583N	450	N
5.875	8.001	8.007	0.750	3016	450	S S	0.190						
5.906	,,				150m	nm	6.198 6.198	7.328 7.328	7.336 7.336	0.354 0.445	39885 39888	TFW-H TFW-H	
5.906 150	7.087 180	7.100 180.35	0.472 12	◆15X018012XX	350	S	6.202	,,,					
5.906 150	7.087 180	7.100 180.35	0.591 15	◆15X018015XX	350	S	6.202	7.329	7.336	0.377	39886	TDW-H	Т
5.937	,,						6.204	"					
5.937 5.937	6.801 7.502	0.000 7.508	1.125 0.562	8907 417780	# 410	S S	6.204 6.204	7.328 7.330	7.336 7.336	0.562 0.445	2628 39887	640 TFW-H	H T
5.997	,,		6"				6.238	"					
5.997	7.125	7.131	0.500	39956	TDW-H	łΤ	6.238 6.238	8.654 8.655	8.661 8.661	0.560 1.100	39044 <i>←</i> 39883	900 900	T T
6.000	,,		6"				6.250	"		6 1/4"			
6.000 6.000 6.000 6.000 6.000	6.750 6.750 6.750 6.751 7.000	6.756 6.757 6.757 6.757 7.008	0.437 0.500 0.625 0.375 0.500	39807 2297V← 39823 447793 415683	TW-H 250 TDW-H 440 410	T V I T S S	6.250 6.250 6.250 6.250	7.500 7.500 7.750 7.875	7.508 7.508 7.758 7.884	0.562 0.562 0.500 0.750	455480 455480V 417562 415854	450 450 410 410	S V S S
6.000	7.001	7.008	0.625	456055	450	V	6.299	"				160m	m
6.000 6.000 6.000	7.125 7.475 7.500	7.132 7.481 7.508	0.562 0.590 0.562	417365 39715 415072	410 # 410	S T S	6.299 160	7.283 185	7.297 185.35	0.394 10	◆16X018510XX	350	S
6.077	,,						6.299 6.299 160	7.480 7.480 190	7.496 7.494 190.35	0.512 0.591 15	712118← ◆16X019015XX	TFW-H 350	T S
6.077	7.328	7.336	0.445	39889	TW-H		6.299 160	7.874 200	7.882 200.20	0.472 12	◆16X020012XX	320	S
6.077	7.328	7.336	0.445	39890	TW-H		6.299 160	7.874 200	7.882 200.20	0.591 15	◆16X020015XX	320	S
6.102	•				155m	ım	6.328	"					
6.102 155	7.087 180	7.096 180.23	0.591 15	◆15X518015XX	320	S	6.328	7.329	7.336	0.500	3807	640	Н
6.125	,,		6 1/8"				6.375	"					
6.125 6.125 6.125	7.125 7.500 7.627	7.135 7.508 7.633	0.626 0.562 0.625	455330 415074 457874	450 410 450	S S S	6.375	7.875	7.883	0.500	417563	410	S
6.142							6.496						
6.142	7.087	7.094	0.591	712110←	TW	Т	6.496 6.496	7.632 9.600	7.638 9.606	0.497 0.540	37586 39861	# #	T T
							<u> </u>						

Shaft	Bore	O.D.	Width	Part Number	Style	Mati	Shaft	Bore	O.D.	Width	Part Number	Style	Mati
		-							-				
6.500	"		6 1/2"				7.087	""				180n	nm
6.500	7.500	7.508	0.562	415294	410	S	7.087	8.268 210	8.281 210.35	0.591 15	◆18X021015XX	350	S
6.500 6.500	7.500 8.000	7.508 8.007	0.562 0.625	455294 41509	450 TPDW	S T	160	210	210.33	10			
6.500 6.500	8.000	8.007 8.009	0.625 0.625	41510 416229	TPDW 410	T S	7.125	,,,					
		0.009	0.023	410229			7.125	8.625	8.632	0.562	416077	410	S
6.513	,,				135n	ım						410	0
6.513	6.693	6.708		◆13X517012XX	350	S	7.250)"		7 1/4"			
135	170	170.38	12				7.250	8.125	8.133	0.500	39701	TFW-H	łΤ
6.625	"						7.250 7.250	8.125 8.250	8.132 8.257	0.940 0.625	39815 416044	TDW-F 410	ł T S
6.625	8.125	8.134	0.625	417298	410	S	7.250	8.750	8.759	0.750	415116	410	S
		0.101	0.020				7.283	,,,				185n	nm
6.693	**				170n	nm	7 000	0.000	0.001	0.510	*10VE10010VV	050	C
6.693	7.874	7.888	0.591	◆17X020015XX	350	S	7.283 185	8.268 210	8.281 210.35	13	♦18X512013XX	350	S
170 6.693	200 8.268	200.35 8.276	15 0.591	♦17X021015XX	320	S	7.375	,,		7 3/8"			
170	210	210.20	15				7.575			1 3/0			
6.750	"		6 3/4"				7.375 7.375	8.875 9.000	8.882 9.010	0.750 0.750	455117 415317	450 410	S S
		0.000		445007	440	_	7.375	9.615	9.622	0.979	4353	#	V
6.750 6.750	8.000 8.007	8.009 8.017	0.625 0.625	415327 416362	410 410	S S	7.375	9.615	9.622	0.979	4353V	#	V
6.750 6.750	8.250 8.500	8.257 8.509	0.562 0.625	417596 416008	410 410	S S	7.480	""				190n	nm
		0.000	0.020	410000	410		7.480	8.661	8.675	0.630	◆19X022016XX	350	S
6.775	,,						190	220	220.35	16			
6.775	7.875	7.880	0.360	710562	2300	S	7.480 190	8.858 230	8.866 230.20	0.630 16	◆19X023016XX	320	S
6.875	"		6 7/8"				7.500	"		7 1/2"			
0.070			0 170										
6.875 6.875	7.875 8.375	7.883 8.382	0.625 0.625	455948 455584	450 450	S S	7.500 7.500	8.500 8.500	8.510 8.509	0.625 0.625	415867 455867V	410 450	S V
		0.002	0.020				7.500	9.000	9.010	0.750	415551	410	S
6.890	"				175n	ım	7.500 7.500	9.000 9.243	9.010 9.250	0.750 0.625	415551V 417283	410 410	S
6.890 175	7.874 200	7.888 200.35	0.591 15	◆17X520015XX	320	S	7.625	,,,		7 5/8"			
		200.00					7.625	0 605	0 600	0.562	416102	410	c
7.000	,,		7"				7.625	8.625 9.125	8.632 9.133	0.562	417598	410	S
7.000	8.000	8.009	0.625	416364	410	S	7.625	9.125	9.133	0.625	417598V	410	V
7.000 7.000	8.250 8.375	8.257 8.382	0.625 0.625	417597 417255	410 410	S S	7.750	"		7 3/4"			
7.000	8.375	8.382	0.750	416674V	410	V	7 750	10 000	10.000	0.750	417115	410	c
7.000	8.750	8.759	0.625	417564	410	S	7.750 7.750	10.000 9.000	10.008 9.010	0.750 0.625	417115 457299	410 450	S S
7.000	9.313	9.321	0.625	415876	410	S	7.750	9.250	9.260	0.625	455406	450	S
7.000	9.313	9.321	0.625	415876V	410	V							

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
7.874	!"				200n	nm	8.500 8.500	10.625 9.500	10.633 9.509	0.750 0.625	416394 455828V	410 450	S V
7.874	9.055	9.069	0.591	◆20X023015XX	450	S	8.625	5"					
200	230	230.35	15				8.625	10.625	10.635	0.750	417567	410	S
7.875)"		7 7/8"				8.661	"				220n	nm
7.875 7.875	10.000 9.375	10.008 9.383	0.625 0.750	417016 455121V	410 450	S V	8.661 220	9.843 250	9.856 250.35	0.591 15	◆22X025015XX	350	S
7.937							8.750)"		8 3/4"			
7.937	8.750	8.757	0.565	417817	410	S	8.750 8.750	10.500 10.750	10.510 10.758	0.750 0.750	455966 415128	450 410	S
7.995)"		8"				8.875		10.730	0.750	413120	410	<u> </u>
7.995	11.625	11.633	1.078	8724S	410	S	8.875	10.122	10.130	0.750	416657	410	S
8.000)"		8"				8.875	10.875	10.885	0.750	455129	450	S
8.000 8.000 8.000 8.000	10.000 10.125 11.624 9.000	10.008 10.133 11.632 9.010	0.625 0.750 0.750 0.750	417602 415052 7131 415656	410 410 # 410	S S S	9.000	10.000	10.010	9"	455301	450	S
8.000	9.250	9.258	0.625	417600	410	S ——	9.000 9.000 9.000 9.000	10.000 10.000 10.088 10.250	10.010 10.010 10.095 10.260	0.750 0.750 0.625 0.750	455301S 55301S 417940 455476	450 450 410 450	S S S S
8.125		0.000	0.020	117001	110								
8.125	10.125	10.130	0.750	455123	450	S	9.000 9.000 9.000 9.000	10.375 10.376 10.500 11.000	10.384 10.384 10.510 11.008	0.625 0.625 0.625 0.750	456462 2791 455462 415090	450 330 450 410	S S S S
8.250)"		8 1/4"				9.052	2"					
8.250 8.250 8.250 8.250 8.250	10.250 10.625 11.500 9.250 9.500	10.260 10.633 11.507 9.258 9.509	0.750 0.750 0.750 0.625 0.625	415124 416951 416422 455475 458009V	410 410 410 450 450	S S S V	9.052 9.052 9.05 5	10.709 10.709	10.720 10.720	0.625 0.625	39893 39894	TFW-H	H T
8.268		9.509	0.023		210n							230n	
		0.460	0.501				9.055 230	10.236 260	10.250 260.35	0.591 15	◆23X026015XX	350	S
8.268 210 8.268	9.449 240 9.843	9.463 240.35 9.850	15	◆21X024015XX ◆21X025015XX		S S	9.250)"		9 1/4"			
8.375	250	250.20	15				9.250 9.250 9.250	10.250 11.000 11.250	10.258 11.008 11.260	0.500 0.750 0.750	337426N 416257 415219	330 410 410	N S S
8.375	10.375	10.385	0.625	417022	410	S	9.375	5"					
8.500)"		8 1/2"				9.375	11.375	11.385	0.750	415871	410	S
8.500 8.500	10.000 10.500	10.008 10.508	0.625 0.625	417603 417604	410 410	S S							

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
9.449)"				240n	nm	11.00	0"		11"			
9.449 240 9.449	10.630 270 11.024	10.644 270.35 11.031	0.591 15 0.630	◆24X027015XX ◆24X028016XX	350 320	s s	11.000 11.000	12.500 13.000	12.510 13.010	0.625 0.750	417571 415482	410 410	S S
9.466	280	280.20	16				11.00		10.001	0.005	710005	0000	
9.466	10.875	10.891	0.375	710800	2300	S	11.006	12.875 2 4"	12.891	0.625	710925	2300 280n	s nm
9.500			9 1/2"				11.024 280	12.598 320	12.616 320.45	0.787 20	◆28X032020XX	320	S
9.500 9.500	11.500 12.499	11.508 12.509	0.625 0.687	417606 9555S	410 410	S S	11.22	0"					
9.625	12.750	12.758	1.250	416381	410	S	11.220 11.220	12.250 12.250	12.260 12.260	0.945 0.945	39899 39900	# #	T T
9.750			9 3/4"				11.50	0"		11 1/2'	,		
9.750	11.250	11.260	0.750	55078S	50S	S	11.500 11.500	13.000 13.500	13.010 13.508	0.750 0.750	415077 415076	410 410	S S
9.910		44.005	0.005	447000	440		11.58		10.700	0.500	711000	0000	6
9.910 9.910 9.910	10.995 10.997 10.997	11.005 11.005 11.005	0.625 0.625 0.625	417939 2792 456464	410 330 450	S S S	11.586	13.687 1 "	13.703	0.562	711000	2300 300n	s nm
10.00	00"		10"				11.811 300	13.386 340	13.404 340.45	0.787 20	♦30X034020XX	320	S
10.000 10.000 10.000	11.000 11.500 12.000	11.008 11.508 12.008	0.625 0.750 0.625	417605 457096V 417020	410 450 410	S V S	12.00	0"		12"			
10.25	50"		10 1/4'	,			12.000	14.000	14.010	0.750	417608	410	S
10.250 10.5 0	12.250	12.260	0.750 10 1/2'	417570	410	S	13.797	15.500	15.513	0.437	711200	2300	S
10.500	12.000	12.008	0.625	457997	450	S	16.25	0"		16 1/4'	,		
10.500	12.500 50 "	12.508	1.000 10 3/4'	415227	410	S	16.250	18.000	18.010	0.750	55103S	450	S
10.750	13.374	13.381	1.250	416383	410	S							

Styles VS1, VS3, & VS4

Style VS2

(d1) Shaft (A) Width (B) Width (B1) (+/-) (C) Numb	t per Style	Matl
3 0.08 0.12 0.10 0.012 0.06 8000	30 VS1	S
3 0.08 0.12 0.10 0.012 0.06 8000	34 VS1	V
4 0.09 0.15 0.12 0.016 0.08 8000	40 VS1	S
4 0.09 0.15 0.12 0.016 0.08 8000	44 VS1	V
5 0.09 0.15 0.12 0.016 0.08 8000	50 VS1	S
5 0.09 0.15 0.12 0.016 0.08 8000	54 VS1	V
5 0.15 0.21 0.18 0.016 0.08 8000	51 VS2	S
5 0.15 0.21 0.18 0.016 0.08 8000	55 VS2	V
6 0.09 0.15 0.12 0.016 0.08 8000	60 VS1	S
6 0.09 0.15 0.12 0.016 0.08 8000	64 VS1	V
6 0.15 0.21 0.18 0.016 0.08 8000	61 VS2	S
6 0.15 0.21 0.18 0.016 0.08 8000	65 VS2	V
7 0.09 0.15 0.12 0.016 0.08 8000	70 VS1	S
7 0.09 0.15 0.12 0.016 0.08 8000	74 VS1	V
7 0.15 0.21 0.18 0.016 0.08 8000	71 VS2	S
7 0.15 0.21 0.18 0.016 0.08 8000	75 VS2	V
8 0.09 0.15 0.12 0.016 0.08 8000	80 VS1	S
8 0.09 0.15 0.12 0.016 0.08 8000	84 VS1	V
8 0.15 0.21 0.18 0.016 0.08 8000		S
8 0.15 0.21 0.18 0.016 0.08 8000	85 VS2	V
10 0.13 0.22 0.18 0.020 0.12 8001	00 VS1	S
10 0.13 0.22 0.18 0.020 0.12 8001	04 VS1	V
10 0.22 0.30 0.26 0.020 0.12 8001	01 VS2	S
10 0.22 0.30 0.26 0.020 0.12 8001	05 VS2	V
12 0.13 0.22 0.18 0.020 0.12 8001	20 VS1	S
12 0.13 0.22 0.18 0.020 0.12 8001	24 VS1	V
12 0.22 0.30 0.26 0.020 0.12 8001	21 VS2	S
12 0.22 0.30 0.26 0.020 0.12 8001	25 VS2	V
13 0.13 0.22 0.18 0.020 0.12 8001	30 VS1	S
13 0.13 0.22 0.18 0.020 0.12 8001	34 VS1	V

 $^{^{\}star}$ Select the larger V-Seal when the dimension d1 is on the boundary between two sizes of V-Seals

	iameter e* (d1)	Shaft/mm (d1)	Width Shaft (A)	Overall Width (B)	Fitted Width (B1)	Width Tolerance (+/-)	Height (C)	Part Number	Style	Matl
0.53 0.53 0.53 0.53 0.61	0.61 0.61 0.61 0.61 0.69	14 14 14 14 16	0.13 0.13 0.22 0.22 0.13	0.22 0.22 0.30 0.30 0.22	0.18 0.18 0.26 0.26 0.18	0.020 0.020 0.020 0.020 0.020	0.12 0.12 0.12 0.12 0.12	800140 800144 800141 800145 800160	VS1 VS1 VS2 VS2 VS1	S V S V S
0.61 0.61 0.61 0.69 0.69	0.69 0.69 0.69 0.75 0.75	16 16 16 18	0.13 0.22 0.22 0.13 0.13	0.22 0.30 0.30 0.22 0.22	0.18 0.26 0.26 0.18 0.18	0.020 0.020 0.020 0.020 0.020	0.12 0.12 0.12 0.12 0.12	800164 800161 800165 800180 800184	VS1 VS2 VS2 VS1 VS1	V S V S V
0.69 0.69 0.75 0.75	0.75 0.75 0.83 0.83 0.83	18 18 20 20 20	0.22 0.22 0.18 0.18 0.31	0.30 0.30 0.30 0.30 0.41	0.26 0.26 0.24 0.24 0.35	0.020 0.020 0.030 0.030 0.030	0.12 0.12 0.16 0.16 0.16	800181 800185 800200 800204 800201	VS2 VS2 VS1 VS1 VS2	S V S V S
0.75 0.83 0.83 0.83 0.93	0.83 0.95 0.95 0.95 0.95	20 22 22 22 22 22	0.31 0.18 0.18 0.31 0.31	0.41 0.30 0.30 0.41 0.41	0.35 0.24 0.24 0.35 0.35	0.030 0.030 0.030 0.030 0.030	0.16 0.16 0.16 0.16 0.16	800205 800220 800224 800221 800225	VS2 VS1 VS1 VS2 VS2	V S V S V
0.95 0.95 0.95 0.96 1.07	1.07 1.07 1.07 1.07 1.14	25 25 25 25 25 28	0.18 0.18 0.31 0.31 0.18	0.30 0.30 0.41 0.41 0.30	0.24 0.24 0.35 0.35 0.24	0.030 0.030 0.030 0.030 0.030	0.16 0.16 0.16 0.16 0.16	800250 800254 800255 800251 800280	VS1 VS1 VS2 VS2 VS1	S V S S
1.07 1.07 1.07 1.14 1.14	1.14 1.14 1.14 1.22 1.22	28 28 28 30 30	0.18 0.31 0.31 0.18 0.18	0.30 0.41 0.41 0.30 0.30	0.24 0.35 0.35 0.24 0.24	0.030 0.030 0.030 0.030 0.030	0.16 0.16 0.16 0.16 0.16	800284 800281 800285 800300 800304	VS1 VS2 VS2 VS1 VS1	V S V S V
1.14 1.14 1.22 1.22 1.22	1.22 1.22 1.30 1.30 1.30	30 30 32 32 32	0.31 0.31 0.18 0.18 0.31	0.41 0.41 0.30 0.30 0.41	0.35 0.35 0.24 0.24 0.35	0.030 0.030 0.030 0.030 0.030	0.16 0.16 0.16 0.16 0.16	800301 800305 800320 800324 800321	VS2 VS2 VS1 VS1 VS2	S V S V S
1.22 1.30 1.30 1.30 1.30	1.30 1.42 1.42 1.42 1.42	32 35 35 35 35	0.31 0.18 0.18 0.31 0.31	0.41 0.30 0.30 0.41 0.41	0.35 0.24 0.24 0.35 0.35	0.030 0.030 0.030 0.030 0.030	0.16 0.16 0.16 0.16 0.16	800325 800350 800354 800351 800355	VS2 VS1 VS1 VS2 VS2	V S V S V
1.42 1.42 1.42 1.42 1.50	1.50 1.50 1.50 1.50 1.70	38 38 38 38 40	0.18 0.18 0.31 0.31 0.21	0.30 0.30 0.41 0.41 0.35	0.24 0.24 0.35 0.35 0.28	0.030 0.030 0.030 0.030 0.040	0.16 0.16 0.16 0.16 0.20	800380 800384 800381 800385 800400	VS1 VS1 VS2 VS2 VS1	S V S V S
1.50 1.50 1.50 1.70 1.70	1.70 1.70 1.70 1.89 1.89	40 40 40 45 45	0.37 0.37 0.21 0.21 0.21	0.51 0.51 0.35 0.35 0.35	0.43 0.43 0.28 0.28 0.28	0.040 0.040 0.040 0.040 0.040	0.20 0.20 0.20 0.20 0.20 0.20	800401 800405 800404 800450 800454	VS2 VS2 VS1 VS1 VS1	S V S V

Styles VS1, VS3, & VS4

Style VS2

	iameter e* (d1)	Shaft/mm (d1)	Width Shaft (A)	Overall Width (B)	Fitted Width (B1)	Width Tolerance (+/-)	Height (C)	Part Number	Style	Matl
1.70	1.89	45	0.37	0.51	0.43	0.040	0.20	800451	VS2	S
1.70	1.89	45	0.37	0.51	0.43	0.040	0.20	800455	VS2	V
1.89	2.09	50	0.21	0.35	0.28	0.040	0.20	800500	VS1	S
1.89	2.09	50	0.21	0.35	0.28	0.040	0.20	800504	VS1	V
1.89	2.09	50	0.37	0.51	0.43	0.040	0.20	800501	VS2	S
1.89	2.09	50	0.37	0.51	0.43	0.040	0.20	800505	VS2	V
2.09	2.29	55	0.21	0.35	0.28	0.040	0.20	800550	VS1	S
2.09	2.29	55	0.21	0.35	0.28	0.040	0.20	800554	VS1	V
2.09	2.29	55	0.37	0.51	0.43	0.040	0.20	800551	VS2	S
2.09	2.29	55	0.37	0.51	0.43	0.040	0.20	800555	VS2	V
2.29	2.48	60	0.21	0.35	0.28	0.040	0.20	800600	VS1	S
2.29	2.48	60	0.21	0.35	0.28	0.040	0.20	800604	VS1	V
2.29	2.48	60	0.37	0.51	0.43	0.040	0.20	800601	VS2	Š
2.29	2.48	60	0.37	0.51	0.43	0.040	0.20	800605	VS2	V
2.48	2.68	65	0.21	0.35	0.28	0.040	0.20	800650	VS1	S
2.48	2.68	65	0.21	0.35	0.28	0.040	0.20	800654	VS1	V
2.48	2.68	65	0.37	0.51	0.43	0.040	0.20	800651	VS2	Š
2.48	2.68	65	0.37	0.51	0.43	0.040	0.20	800655	VS2	V
2.68	2.88	70	0.26	0.43	0.35	0.050	0.24	800700	VS1	Š
2.68	2.88	70	0.26	0.43	0.35	0.050	0.24	800704	VS1	V
2.68	2.88	70	0.44	0.61	0.53	0.050	0.24	800701	VS2	S
2.68	2.88	70	0.44	0.61	0.53	0.050	0.24	800705	VS2	V
2.88	3.07	75	0.26	0.43	0.35	0.050	0.24	800750	VS1	Š
2.88	3.07	75	0.26	0.43	0.35	0.050	0.24	800754	VS1	V
2.88	3.07	75 75	0.44	0.61	0.53	0.050	0.24	800751	VS2	Š
2.88	3.07	75	0.44	0.61	0.53	0.050	0.24	800755	VS2	V
3.07	3.27	80	0.26	0.43	0.35	0.050	0.24	800800	VS1	Š
3.07	3.27	80	0.26	0.43	0.35	0.050	0.24	800804	VS1	V
3.07	3.27	80	0.44	0.43	0.53	0.050	0.24	800801	VS1	Š
3.07	3.27	80	0.44	0.61	0.53	0.050	0.24	800805	VS2	V

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	iameter e* (d1)	Shaft/mm (d1)	Width Shaft (A)	Overall Width (B)	Fitted Width (B1)	Width Tolerance (+/-)	Height (C)	Part Number	Style	Matl
3.27	3.47	85	0.26	0.43	0.35	0.050	0.24	800850	VS1	S
3.27	3.47	85	0.26	0.43	0.35	0.050	0.24	800854	VS1	V
3.27	3.47	85	0.44	0.61	0.53	0.050	0.24	800851	VS2	S
3.27	3.47	85	0.44	0.61	0.53	0.050	0.24	800855	VS2	V
3.47	3.66	90	0.26	0.43	0.35	0.050	0.24	800900	VS1	S
3.47	3.66	90	0.26	0.43	0.35	0.050	0.24	800904	VS1	V
3.47	3.66	90	0.44	0.61	0.53	0.050	0.24	800901	VS2	S
3.47	3.66	90	0.44	0.61	0.53	0.050	0.24	800905	VS2	V
3.66	3.86	95	0.26	0.43	0.35	0.050	0.24	800950	VS1	S
3.66	3.86	95	0.26	0.43	0.35	0.050	0.24	800954	VS1	V
3.66	3.86	95	0.44	0.61	0.53	0.050	0.24	800951	VS2	S V S V S
3.66	3.86	95	0.44	0.61	0.53	0.050	0.24	800955	VS2	
3.86	4.14	100	0.26	0.43	0.35	0.050	0.24	801000	VS1	
3.86	4.14	100	0.26	0.43	0.35	0.050	0.24	801004	VS1	
3.86	4.14	100	0.44	0.61	0.53	0.050	0.24	801001	VS2	
3.86	4.14	100	0.44	0.61	0.53	0.050	0.24	801005	VS2	V
4.14	4.53	110	0.31	0.50	0.41	0.060	0.28	801100	VS1	S
4.14	4.53	110	0.31	0.50	0.41	0.060	0.28	801104	VS1	V
4.14	4.53	110	0.52	0.71	0.61	0.060	0.28	801101	VS2	S
4.14	4.53	110	0.52	0.71	0.61	0.060	0.28	801105	VS2	V
4.53 4.53 4.53 4.53 4.92	4.92 4.92 4.92 4.92 5.32	120 120 120 120 120 130	0.31 0.31 0.52 0.52 0.31	0.50 0.50 0.71 0.71 0.50	0.41 0.41 0.61 0.61 0.41	0.060 0.060 0.060 0.060 0.060	0.28 0.28 0.28 0.28 0.28	801200 801204 801201 801205 801300	VS1 VS1 VS2 VS2 VS1	S V S V S
4.92	5.32	130	0.31	0.50	0.41	0.060	0.28	801304	VS1	V
4.92	5.32	130	0.52	0.71	0.61	0.060	0.28	801301	VS2	S
4.92	5.32	130	0.52	0.71	0.61	0.060	0.28	801305	VS2	V
5.32	5.71	140	0.24	0.41	0.31	0.060	0.26	801402	VS3	S
5.32	5.71	140	0.24	0.41	0.31	0.060	0.26	801406	VS3	V
5.32	5.71	140	0.31	0.50	0.41	0.060	0.28	801400	VS1	S
5.32	5.71	140	0.31	0.50	0.41	0.060	0.28	801404	VS1	V
5.32	5.71	140	0.52	0.71	0.61	0.060	0.28	801401	VS2	S
5.32	5.71	140	0.52	0.71	0.61	0.060	0.28	801405	VS2	V
5.71	6.10	150	0.24	0.41	0.31	0.060	0.26	801502	VS3	S
5.71	6.10	150	0.24	0.41	0.31	0.060	0.26	801506	VS3	V
5.71	6.10	150	0.31	0.50	0.41	0.060	0.28	801500	VS1	S
5.71	6.10	150	0.31	0.50	0.41	0.060	0.28	801504	VS1	V
5.71	6.10	150	0.52	0.71	0.61	0.060	0.28	801501	VS2	S
5.71	6.10	150	0.52	0.71	0.61	0.060	0.28	801505	VS2	V
6.10	6.50	160	0.24	0.41	0.31	0.060	0.26	801602	VS3	S V S V S
6.10	6.50	160	0.24	0.41	0.31	0.060	0.26	801606	VS3	
6.10	6.50	160	0.35	0.57	0.47	0.070	0.32	801600	VS1	
6.10	6.50	160	0.35	0.57	0.47	0.070	0.32	801604	VS1	
6.10	6.50	160	0.59	0.81	0.71	0.070	0.32	801601	VS2	
6.10	6.50	160	0.59	0.81	0.71	0.070	0.32	801605	VS2	V
6.50	6.89	170	0.24	0.41	0.31	0.060	0.26	801702	VS3	S
6.50	6.89	170	0.24	0.41	0.31	0.060	0.26	801706	VS3	V
6.50	6.89	170	0.35	0.57	0.47	0.070	0.32	801700	VS1	S
6.50	6.89	170	0.35	0.57	0.47	0.070	0.32	801704	VS1	V

Styles VS1, VS3, & VS4

Style VS2

Matl	Style	Part Number	Height (C)	Width Tolerance (+/-)	Fitted Width (B1)	Overall Width (B)	Width Shaft (A)	Shaft/mm (d1)	Diameter e* (d1)	
S	VS2	801701	0.32	0.070	0.71	0.81	0.59	170	6.89	6.50
V	VS2	801705	0.32	0.070	0.71	0.81	0.59	170	6.89	6.50
S	VS3	801802	0.26	0.060	0.31	0.41	0.24	180	7.29	6.89
V	VS3	801806	0.26	0.060	0.31	0.41	0.24	180	7.29	6.89
S	VS1	801800	0.32	0.070	0.47	0.57	0.35	180	7.29	6.89
V	VS1	801804	0.32	0.070	0.47	0.57	0.35	180	7.29	6.89
S	VS2	801801	0.32	0.070	0.71	0.81	0.59	180	7.29	6.89
V	VS2	801805	0.32	0.070	0.71	0.81	0.59	180	7.29	6.89
S	VS3	801902	0.26	0.060	0.31	0.41	0.24	190	7.68	7.29
V	VS3	801906	0.26	0.060	0.31	0.41	0.24	190	7.68	7.29
S	VS1	801900	0.32	0.070	0.47	0.57	0.35	190	7.68	7.29
V	VS1	801904	0.32	0.070	0.47	0.57	0.35	190	7.68	7.29
S	VS2	801901	0.32	0.070	0.71	0.81	0.59	190	7.68	7.29
V	VS2	801905	0.32	0.070	0.71	0.81	0.59	190	7.68	7.29
S	VS3	802002	0.26	0.060	0.31	0.41	0.24	200	8.27	7.48
V	VS3	802006	0.26	0.060	0.31	0.41	0.24	200	8.27	7.48
S	VS1	802000	0.59	0.160	0.79	0.98	0.56	200	8.27	7.48
V	VS1	802004	0.59	0.160	0.79	0.98	0.56	200	8.27	7.48
S	VS1	801990	0.32	0.070	0.47	0.57	0.35	199	8.27	7.68
V	VS1	801994	0.32	0.070	0.47	0.57	0.35	199	8.27	7.68
S	VS2	801991	0.32	0.070	0.71	0.81	0.59	199	8.27	7.68
V	VS2	801995	0.32	0.070	0.71	0.81	0.59	199	8.27	7.68
S	VS3	802202	0.26	0.060	0.31	0.41	0.24	220	9.25	8.27
V	VS3	802206	0.26	0.060	0.31	0.41	0.24	220	9.25	8.27
S	VS1	802200	0.59	0.160	0.79	0.98	0.56	220	9.25	8.27
V	VS1	802204	0.59	0.160	0.79	0.98	0.56	220	9.25	8.27
S	VS3	802502	0.26	0.060	0.31	0.41	0.24	250	10.43	9.25
V	VS3	802506	0.26	0.060	0.31	0.41	0.24	250	10.43	9.25
S	VS1	802500	0.59	0.160	0.79	0.98	0.56	250	10.43	9.25
V	VS1	802504	0.59	0.160	0.79	0.98	0.56	250	10.43	9.25

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	Diameter ge* (d1)	Shaft/mm (d1)	Width Shaft (A)	Overall Width (B)	Fitted Width (B1)	Width Tolerance (+/-)	Height (C)	Part Number	Style	Matl
10.43 10.43 10.43 10.43 11.42	11.42 11.42 11.42 11.42 12.20	275 275 275 275 275 300	0.24 0.24 0.56 0.56 0.22	0.41 0.41 0.98 0.98 0.41	0.31 0.31 0.79 0.79 0.31	0.060 0.060 0.160 0.160 0.060	0.26 0.26 0.59 0.59 0.26	802752 802756 802750 802754 803002	VS3 VS3 VS1 VS1 VS3	S > S > S
11.42 11.42 11.42 12.20 12.20	12.20 12.20 12.20 13.19 13.19	300 300 300 325 325	0.24 0.56 0.56 0.24 0.24	0.41 0.98 0.98 0.41 0.41	0.31 0.79 0.79 0.31 0.31	0.060 0.160 0.160 0.060 0.060	0.26 0.59 0.59 0.26 0.26	803006 803000 803004 803252 803256	VS3 VS1 VS1 VS3 VS3	> S > S > S
12.20	13.19	325	0.56	0.98	0.79	0.160	0.59	803250	VS1	S > S > S
12.20	13.19	325	0.56	0.98	0.79	0.160	0.59	803254	VS1	
13.19	14.37	350	0.24	0.41	0.31	0.060	0.26	803502	VS3	
13.19	14.37	350	0.24	0.41	0.31	0.060	0.26	803506	VS3	
13.19	14.37	350	0.56	0.98	0.79	0.160	0.59	803500	VS1	
13.19	14.37	350	0.56	0.98	0.79	0.160	0.59	803504	VS1	V
14.37	15.35	375	0.24	0.41	0.31	0.060	0.26	803752	VS3	S
14.37	15.35	375	0.24	0.41	0.31	0.060	0.26	803756	VS3	V
14.37	15.35	375	0.56	0.98	0.79	0.160	0.59	803750	VS1	S
14.37	15.35	375	0.56	0.98	0.79	0.160	0.59	803754	VS1	V
15.35	16.93	400	0.24	0.41	0.31	0.060	0.26	804002	VS3	S
15.35	16.93	400	0.24	0.41	0.31	0.060	0.26	804006	VS3	
15.35	16.93	400	0.56	0.98	0.79	0.160	0.59	804000	VS1	
15.35	16.93	400	0.56	0.98	0.79	0.160	0.59	804004	VS1	
16.93	18.90	450	0.24	0.41	0.31	0.060	0.26	804502	VS3	
16.93	18.90	450	0.24	0.41	0.31	0.060	0.26	804506	VS3	>
16.93	18.90	450	0.56	0.98	0.79	0.160	0.59	804500	VS1	
16.93	18.90	450	0.56	0.98	0.79	0.160	0.59	804504	VS1	
17.72	17.91	450	0.56	0.98	0.79	0.160	0.59	804503	VS4	
18.90	20.87	500	0.24	0.41	0.31	0.060	0.26	805002	VS3	
18.90	20.87	500	0.56	0.98	0.79	0.160	0.59	805000	VS1	S > S S
18.90	20.87	500	0.56	0.98	0.79	0.160	0.59	805004	VS1	
19.69	19.88	500	0.56	0.98	0.79	0.160	0.59	805003	VS4	
20.08	20.28	510	0.56	0.98	0.79	0.160	0.59	805103	VS4	
20.47	20.67	520	0.56	0.98	0.79	0.160	0.59	805203	VS4	
20.87	22.83	550	0.24	0.41	0.31	0.060	0.26	805502	VS3	S S S > S
20.87	21.06	530	0.56	0.98	0.79	0.160	0.59	805303	VS4	
20.87	22.86	550	0.56	0.98	0.79	0.160	0.59	805500	VS1	
20.87	22.83	550	0.56	0.98	0.79	0.160	0.59	805504	VS1	
21.26	21.46	540	0.56	0.98	0.79	0.160	0.59	805403	VS4	
21.65	21.85	550	0.56	0.98	0.79	0.160	0.59	805503	VS4	55555
22.05	22.24	560	0.56	0.98	0.79	0.160	0.59	805603	VS4	
22.44	22.64	570	0.56	0.98	0.79	0.160	0.59	805703	VS4	
22.83	24.80	600	0.24	0.41	0.31	0.060	0.26	806002	VS3	
22.83	24.80	600	0.56	0.98	0.79	0.160	0.59	806000	VS1	
22.83	24.80	600	0.56	0.98	0.79	0.160	0.59	806004	VS1	> S S S S S
22.84	23.03	580	0.56	0.98	0.79	0.160	0.59	805803	VS4	
23.23	23.62	590	0.56	0.98	0.79	0.160	0.59	805903	VS4	
23.62	24.02	600	0.56	0.98	0.79	0.160	0.59	806003	VS4	
24.02	24.41	610	0.56	0.98	0.79	0.160	0.59	806103	VS4	

Styles VS1, VS3, & VS4

Style VS2

Range	iameter e* (d1)	Shaft/mm (d1)	Width Shaft (A)	Overall Width (B)	Fitted Width (B1)	Width Tolerance (+/-)	Height (C)	Part Number	Style	Matl
24.41	24.80	620	0.56	0.98	0.79	0.160	0.59	806203	VS4	S
24.80	25.20	630	0.56	0.98	0.79	0.160	0.59	806303	VS4	S
24.80	26.18	650	0.56	0.98	0.79	0.160	0.59	806500	VS1	S
25.20	25.59	640	0.56	0.98	0.79	0.160	0.59	806403	VS4	S
25.59	25.98	650	0.56	0.98	0.79	0.160	0.59	806503	VS4	S
26.18	27.76	700	0.56	0.98	0.79	0.160	0.59	807000	VS1	S
27.10	27.50	690	0.56	0.98	0.79	0.160	0.59	806903	VS4	S
27.56	27.95	700	0.56	0.98	0.79	0.160	0.59	807003	VS4	S S S
27.76	29.33	725	0.56	0.98	0.79	0.160	0.59	807250	VS1	
29.33	30.91	750	0.56	0.98	0.79	0.160	0.59	807500	VS1	S
29.53	29.84	750	0.56	0.98	0.79	0.160	0.59	807503	VS4	S
30.40	30.80	780	0.56	0.98	0.79	0.160	0.59	807803	VS4	S
30.91	32.68	800	0.56	0.98	0.79	0.160	0.59	808000	VS1	S S S
31.18	31.54	800	0.56	0.98	0.79	0.160	0.59	808003	VS4	S
31.50	33.26	820	0.56	0.98	0.79	0.160	0.59	808203	VS4	S
32.68	34.45	850	0.56	0.98	0.79	0.160	0.59	808500	VS1	S
33.11	33.50	850	0.56	0.98	0.79	0.160	0.59	808503	VS4	S
34.45	36.22	900	0.56	0.98	0.79	0.160	0.59	809000	VS1	S
35.12	35.91	900	0.56	0.98	0.79	0.160	0.59	809003	VS4	S S
36.22	37.99	950	0.56	0.98	0.79	0.160	0.59	809500	VS1	S
37.17	37.60	950	0.56	0.98	0.79	0.160	0.59	809503	VS4	S
37.99	39.96	1000	0.56	0.98	0.79	0.160	0.59	810000	VS1	S
39.33	39.79	1000	0.56	0.98	0.79	0.160	0.59	810003	VS4	S S S
39.96	41.93	1050	0.56	0.98	0.79	0.160	0.59	810500	VS1	S
41.10	41.90	1060	0.56	0.98	0.79	0.160	0.59	810603	VS4	S
41.93	43.90	1100	0.56	0.98	0.79	0.160	0.59	811000	VS1	S
42.72	43.50	1100	0.56	0.98	0.79	0.160	0.59	811003	VS4	S
43.90	45.87	1150	0.56	0.98	0.79	0.160	0.59	811500	VS1	S
45.87	47.84	1200	0.56	0.98	0.79	0.160	0.59	812000	VS1	S
46.65	47.44	1200	0.56	0.98	0.79	0.160	0.59	812003	VS4	S

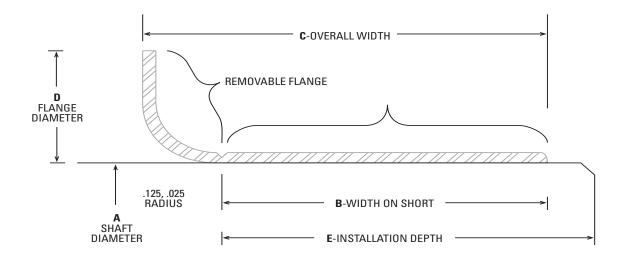
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	Diameter e* (d1)	Shaft/mm (d1)	Width Shaft (A)	Overall Width (B)	Fitted Width (B1)	Width Tolerance (+/-)	Height (C)	Part Number	Style	Matl
47.84	50.00	1250	0.56	0.98	0.79	0.160	0.59	812500	VS1	S
50.00	51.97	1300	0.56	0.98	0.79	0.160	0.59	813000	VS1	S
50.98	51.77	1300	0.56	0.98	0.79	0.160	0.59	813003	VS4	S S
51.97	53.94	1300	0.56	0.98	0.79	0.160	0.59	813500	VS1	S
52.76	53.74	1350	0.56	0.98	0.79	0.160	0.59	813503	VS4	S
53.94	55.91	1400	0.56	0.98	0.79	0.160	0.59	814000	VS1	S
54.72	55.71	1400	0.56	0.98	0.79	0.160	0.59	814003	VS4	S S
55.91	57.87	1450	0.56	0.98	0.79	0.160	0.59	814500	VS1	S
56.69	57.68	1450	0.56	0.98	0.79	0.160	0.59	814503	VS4	S S
57.87	59.84	1500	0.56	0.98	0.79	0.160	0.59	815000	VS1	S
58.66	59.65	1500	0.56	0.98	0.79	0.160	0.59	815003	VS4	S
59.84	61.81	1550	0.56	0.98	0.79	0.160	0.59	815500	VS1	S
60.63	61.81	1550	0.56	0.98	0.79	0.160	0.59	815503	VS4	S
61.81	63.78	1600	0.56	0.98	0.79	0.160	0.59	816000	VS1	S
62.99	64.57	1600	0.56	0.98	0.79	0.160	0.59	816003	VS4	S
63.78	65.75	1650	0.56	0.98	0.79	0.160	0.59	816500	VS1	S
64.57	66.14	1650	0.56	0.98	0.79	0.160	0.59	816503	VS4	S
65.75	67.72	1700	0.56	0.98	0.79	0.160	0.59	817000	VS1	S S
66.15	67.72	1700	0.56	0.98	0.79	0.160	0.59	817003	VS4	S
67.72	69.69	1750	0.56	0.98	0.79	0.160	0.59	817500	VS1	S
67.72	69.49	1750	0.56	0.98	0.79	0.160	0.59	817503	VS4	S
69.46	71.26	1800	0.56	0.98	0.79	0.160	0.59	818003	VS4	Š
69.69	71.65	1800	0.56	0.98	0.79	0.160	0.59	818000	VS1	S S S
71.26	73.03	1850	0.56	0.98	0.79	0.160	0.59	818503	VS4	S
71.65	73.62	1850	0.56	0.98	0.79	0.160	0.59	818500	VS1	S
73.03	75.00	1900	0.56	0.98	0.79	0.160	0.59	819003	VS4	S
73.62	75.59	1900	0.56	0.98	0.79	0.160	0.59	819000	VS1	Š
75.00	76.97	1950	0.56	0.98	0.79	0.160	0.59	819503	VS4	S S
75.59	77.56	1950	0.56	0.98	0.79	0.160	0.59	819500	VS1	Š
76.90	79.10	2000	0.56	0.98	0.79	0.160	0.59	820003	VS4	S
77.56	79.53	1999	0.56	0.98	0.79	0.160	0.59	819990	VS1	S

Shaft	Bore	O.D.	Width	Part Number	Туре	Matl
2.250	3.372	3.377	0.475	370219A	Unitized	S
2.359	3.938	3.952	0.575	370199A	Unitized	V
2.740	3.937	3.942	0.565	*370155A	Unitized	V S S S
2.750	3.779	3.792	0.767	370352A	Unitized	S
2.752	3.937	3.942	0.565	*370127A	Unitized	S
2.875	3.875	3.889	0.500	370150A	Unitized	S
2.875	4.125	4.130	0.842	370010A	Unitized	S S S S S
2.875	4.175	4.181	0.822	370054A	Unitized	Š
2.938	3.750	3.765	0.530	*370223A	Unitized	S
2.948	4.725	4.738	0.526	370211A	Unitized	S
3.125	4.174	4.188	0.500	370145A	Unitized	S
3.125	4.500	4.506	0.605	370014A	Unitized	S
3.125	4.625	4.631	0.605	370046A	Unitized	S
3.187	5.000	5.006	0.765	370029A	Unitized	Š
3.250	4.500	4.506	0.605	370018A	Unitized	S S S S
	4.000	4.000	0.000	070010A	Omized	
3.312	4.501	4.506	0.605	370191A	Unitized	S
3.312	5.000	5.006	0.937	370013A	Unitized	S
3.437	4.755	4.761	0.605	370047A	Unitized	S
3.500	4.450	4.456	0.843	370179A	Unitized	S S S S S
3.500	4.543	4.558	0.788	370132A	Unitized	S
3.500	4.751	4.757	0.605	370169A	Unitized	S
3.500	4.842	4.847	0.910	*380001A	Unitized	S T
3.500	4.842	4.848	0.925	370001A	Unitized	Ś
3.500	5.000	5.006	1.000	370001A	Unitized	S S V
3.539	5.277	5.291	0.604	370212A	Unitized	V
3.625	4.810	4.823	0.921	370012A	Unitized	S
3.625	5.000	5.014	0.875	370011A	Unitized	S
3.875	5.126	5.132	0.605	370033A	Unitized	S
3.875	5.376	5.381	0.985	370165A	Unitized	S S S S S
3.875	5.501	5.515	0.875	370024A	Unitized	S
3.875	5.690	5.706	0.770	*380023A	Unitized	Т
3.875	5.690	5.706	0.875	370023A	Unitized	Ś
3.937	5.372	5.378	1.015	370008A	Unitized	Š
3.937	5.501	5.507	0.937	370009A	Unitized	Š
4.000	5.248	5.254	0.605	*370087A	Unitized	S S S S
4.000	E 97E	F 201	1.000	370015A	Unitized	e
4.000	5.375 5.626	5.381 5.632	0.605	370015A 370066A	Unitized	9
4.000	5.757	5.798	0.600	370066A 370349A	Unitized	9
4.000	5.757	5.772	0.930	370036A	Unitized	S S S T
4.000	5.757	5.772	0.930	*380036A	Unitized	T
4.000		J.772	0.566		Officed	<u>'</u>
4.040	5.122	5.130	0.945	370198A	Unitized	S
4.125	5.375	5.381	0.605	370094A	Unitized	S
4.166	5.500	5.506	0.605	370106A	Unitized	S S S T
4.250	6.000	6.008	1.000	*380065A	Unitized	Ţ
4.250	6.008	6.022	1.000	370065A	Unitized	S
4.250	6.035	6.047	0.915	370107A	Unitized	S
4.250	6.250	6.256	1.188	370031A	Unitized	S
4.250	6.250	6.256	1.188	*380031A	Unitized	Т
4.265	6.064	6.071	0.605	370030A	Unitized	S S T S S
4.375	5.757	5.798	0.600	370338A	Unitized	S

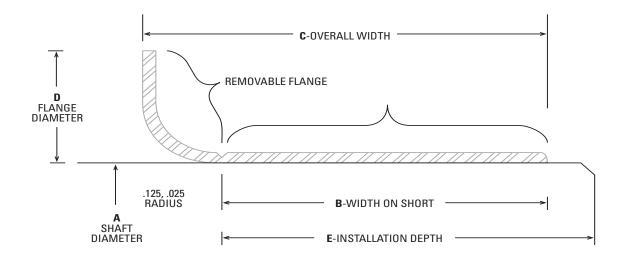
4.375 5.757 5.763 1.000 370037A Unitized S 4.375 5.905 5.911 1.000 370048A Unitized S 4.375 5.905 5.911 1.000 370048A Unitized S 4.375 5.905 5.910 1.000 370182A Unitized S 4.375 5.905 5.910 1.000 370182A Unitized S 4.375 6.261 6.266 0.005 370019A Unitized S Unitized S 6.266 0.005 370019A Unitized S 6.266 0.005 370024A Unitized S 6.266 0.005 5.766 0.006 370024A Unitized S 6.266 0.006 0.007 0.0084 370024A Unitized S 6.266 0.006 0.006 0.007 0.0084 370024A Unitized S 6.266 0.006 0.006 0.007	Shaft	Bore	O.D.	Width	Part Number	Туре	Matl
4.375 6.251 6.256 0.605 370019A Unitized S	4.375	5.757	5.763	1,000	370037A	Unitized	S
4.375 6.251 6.256 0.605 370019A Unitized S							Š
4.375 6.251 6.256 0.605 370019A Unitized S							S
4.375 6.251 6.256 0.605 370019A Unitized S							
4.375 6.311 6.317 1.090 370034A Unitized S 4.580 5.375 5.391 0.884 370124A Unitized S 4.580 5.750 5.756 0.860 370022A Unitized S 4.580 5.750 5.756 0.860 370022A Unitized S 4.580 5.750 5.756 0.984 380131A Unitized S 4.580 5.876 5.892 0.984 380131A Unitized S 4.580 6.000 6.007 0.984 370020A Unitized S 4.580 6.000 6.007 0.984 370021A Unitized S 4.580 6.401 6.401 1.175 370086A Unitized S 4.590 6.411 6.447 0.937 370078A Unitized S 4.625 5.999 6.006 0.890 37025A Unitized S 4.625 5.999							
4.500 5.750 5.756 0.960 *380022A Unitized T 4.500 5.876 5.892 0.984 370131A Unitized S 4.500 6.876 5.892 0.984 370021A Unitized S 4.500 6.876 6.892 0.984 370021A Unitized S 4.500 6.251 6.265 0.610 370021A Unitized S 4.500 6.251 6.265 0.611 370021A Unitized S 4.500 6.311 6.316 11.75 370086A Unitized S 4.500 6.441 6.447 0.937 370021A Unitized S 4.500 6.622 6.629 1.093 370078A Unitized S 4.600 6.622 6.629 1.093 370078A Unitized S 4.625 5.999 6.006 0.840 370025A Unitized S 4.625 5.999 6.006 0.890 370216A Unitized S 4.625 5.999 6.006 0.980 370216A Unitized S 4.625 5.999 6.006 0.980 370216A Unitized S 4.625 5.999 6.006 0.980 370216A Unitized S 4.625 6.822 6.829 1.093 370025A Unitized T 4.625 6.622 6.829 1.093 370025A Unitized S 4.625 6.999 6.006 0.937 3800025A Unitized S 4.625 6.821 6.829 1.093 370025A Unitized S 4.765 6.625 6.906 1.031 37016A Unitized S 4.765 6.250 6.257 1.050 37016A Unitized S 4.765 6.251 6.265 0.605 1.031 37016A Unitized S 4.765 6.311 6.318 1.078 370005A Unitized S 4.765 6.311 6.318 1.098 370005A Unitized S 4.765 6.311 6.318 1.098 37005A Unitized S 4.765 6.373 6.474 0.999 37005A Unitized S 4.765 6.500 6.500 6.500 1.000 37005A Unitized S 5.000 7.000 7.000 7.006 1.250 37005A Unitized S 5.000 7.200 7.437 7.444 0.805 37003A Unitized S 5.000 7.437 7.444 1.000 37003A Unitize	4.375	0.251	0.250	0.605	370019A	Unitized	5
4.500 5.750 5.756 0.960 *380022A Unitized T 4.500 5.876 5.892 0.984 370131A Unitized S 4.500 6.876 5.892 0.984 370021A Unitized S 4.500 6.876 6.892 0.984 370021A Unitized S 4.500 6.251 6.265 0.610 370021A Unitized S 4.500 6.251 6.265 0.611 370021A Unitized S 4.500 6.311 6.316 11.75 370086A Unitized S 4.500 6.441 6.447 0.937 370021A Unitized S 4.500 6.622 6.629 1.093 370078A Unitized S 4.600 6.622 6.629 1.093 370078A Unitized S 4.625 5.999 6.006 0.840 370025A Unitized S 4.625 5.999 6.006 0.890 370216A Unitized S 4.625 5.999 6.006 0.980 370216A Unitized S 4.625 5.999 6.006 0.980 370216A Unitized S 4.625 5.999 6.006 0.980 370216A Unitized S 4.625 6.822 6.829 1.093 370025A Unitized T 4.625 6.622 6.829 1.093 370025A Unitized S 4.625 6.999 6.006 0.937 3800025A Unitized S 4.625 6.821 6.829 1.093 370025A Unitized S 4.765 6.625 6.906 1.031 37016A Unitized S 4.765 6.250 6.257 1.050 37016A Unitized S 4.765 6.251 6.265 0.605 1.031 37016A Unitized S 4.765 6.311 6.318 1.078 370005A Unitized S 4.765 6.311 6.318 1.098 370005A Unitized S 4.765 6.311 6.318 1.098 37005A Unitized S 4.765 6.373 6.474 0.999 37005A Unitized S 4.765 6.500 6.500 6.500 1.000 37005A Unitized S 5.000 7.000 7.000 7.006 1.250 37005A Unitized S 5.000 7.200 7.437 7.444 0.805 37003A Unitized S 5.000 7.437 7.444 1.000 37003A Unitize	4.375	6.311	6.317	1.090	370034A	Unitized	S
4.500 5.750 5.756 0.960 *380022A Unitized T 4.500 5.876 5.892 0.984 370131A Unitized S 4.500 6.876 5.892 0.984 370021A Unitized S 4.500 6.876 6.892 0.984 370021A Unitized S 4.500 6.251 6.265 0.610 370021A Unitized S 4.500 6.251 6.265 0.611 370021A Unitized S 4.500 6.311 6.316 11.75 370086A Unitized S 4.500 6.441 6.447 0.937 370021A Unitized S 4.500 6.622 6.629 1.093 370078A Unitized S 4.600 6.622 6.629 1.093 370078A Unitized S 4.625 5.999 6.006 0.840 370025A Unitized S 4.625 5.999 6.006 0.890 370216A Unitized S 4.625 5.999 6.006 0.980 370216A Unitized S 4.625 5.999 6.006 0.980 370216A Unitized S 4.625 5.999 6.006 0.980 370216A Unitized S 4.625 6.822 6.829 1.093 370025A Unitized T 4.625 6.622 6.829 1.093 370025A Unitized S 4.625 6.999 6.006 0.937 3800025A Unitized S 4.625 6.821 6.829 1.093 370025A Unitized S 4.765 6.625 6.906 1.031 37016A Unitized S 4.765 6.250 6.257 1.050 37016A Unitized S 4.765 6.251 6.265 0.605 1.031 37016A Unitized S 4.765 6.311 6.318 1.078 370005A Unitized S 4.765 6.311 6.318 1.098 370005A Unitized S 4.765 6.311 6.318 1.098 37005A Unitized S 4.765 6.373 6.474 0.999 37005A Unitized S 4.765 6.500 6.500 6.500 1.000 37005A Unitized S 5.000 7.000 7.000 7.006 1.250 37005A Unitized S 5.000 7.200 7.437 7.444 0.805 37003A Unitized S 5.000 7.437 7.444 1.000 37003A Unitize						Unitized	S
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4.500 6.000 6.007 0.984 370020A Unitized S 4.500 6.251 6.265 0.610 370021A Unitized S 4.500 6.310 6.316 1.175 370086A Unitized S 4.500 6.441 6.447 0.937 370192A Unitized S 4.500 6.622 6.629 1.093 370078A Unitized S 4.625 5.999 6.006 0.890 370216A Unitized S 4.625 5.999 6.006 0.890 370216A Unitized S 4.625 6.622 6.629 1.093 370026A Unitized S 4.625 6.622 6.629 1.093 370026A Unitized S 4.765 5.999 6.006 1.093 370026A Unitized S 4.765 5.999 6.006 1.031 370173A Unitized S 4.765 6.251 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>T</td>							T
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0.000 01001A 011112EU 0	6.000	7.875	7.881	0.605	*370077A	Unitized	S

Shaft	Bore	O.D.	Width	Part Number	Туре	Matl
6.625	8.007	8.014	0.605	*370149A	Unitized	S
7.250	8.750	8.758	0.605	370175A	Unitized	S
7.375	9.054	9.063	1.062	*370082A	Unitized	S
7.875	10.234	10.242	0.605	*370151A	Unitized	S



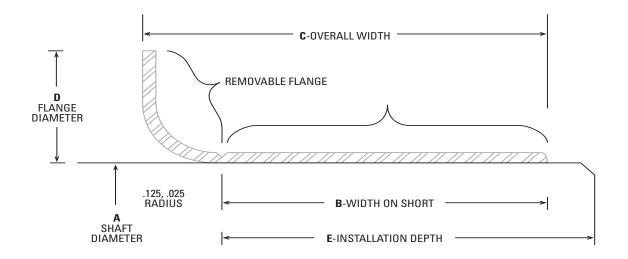
Part Number	Installation Depth (E)	Flange Diameter (D)	Overall Width (C)			
KWK99049	0.472	0.787	0.331	0.236	0.475	0.469
KWK99050	2.008	0.610	0.344	0.250	0.502	0.498
KWK99056	1.831	0.750	0.391	0.250	0.566	0.560
KWK99059	0.425	0.750	0.354	0.197	0.593	0.589
KWK99062	2.000	0.813	0.406	0.313	0.627	0.623
KWK99058	2.000	0.718	0.438	0.313	0.630	0.626
KWK99068	2.008	1.063	0.433	0.315	0.671	0.667
KWK99060	2.000	0.900	0.438	0.313	0.686	0.682
KWK99082	1.811	1.063	0.433	0.315	0.709	0.704
KWK99076	2.000	0.938	0.438	0.313	0.752	0.748
KWK99075	2.000	0.900	0.500	0.375	0.752	0.748
KWK99081	2.000	0.938	0.438	0.313	0.761	0.759
KWK99080	2.000	0.935	0.438	0.313	0.784	0.780
KWK99078	2.000	0.999	0.433	0.313	0.789	0.785
KWK99086	2.000	1.155	0.375	0.250	0.861	0.857
KWK99085	1.813	1.058	0.472	0.315	0.866	0.861
KWK99087	2.000	1.093	0.438	0.313	0.877	0.873
KWK99091	1.847	1.218	0.438	0.313	0.912	0.908
KWK99094	2.000	1.130	0.438	0.313	0.970	0.966
KWK99096	2.000	1.130	0.719	0.625	0.970	0.966
KWK99098	2.000	1.378	0.433	0.313	0.986	0.982
KWK99101	2.000	1.219	0.438	0.313	1.002	0.998
KWK99103	1.813	1.312	0.472	0.313	1.024	1.019
KWK99106	2.812	1.320	0.438	0.313	1.064	1.060
KWK99108	0.625	1.406	0.438	0.313	1.091	1.087
KWK99111	2.813	1.375	0.500	0.375	1.104	1.100
KWK99112	0.688	1.575	0.438	0.313	1.127	1.123
KWK99120	0.688	1.350	0.500	0.375	1.158	1.154
KWK99122	0.688	1.575	0.438	0.313	1.178	1.173
KWK99114	0.688	1.400	0.433	0.315	1.184	1.179

	Diameter	Width on	Overall	Flange	Installation	Part
	ge (A)	Shaft (B)	Width (C)	Diameter (D)	Depth (E)	Number
1.185	1.190	0.313	0.438	1.400	0.875	KWK99118
1.216	1.222	0.315	0.438	1.575	0.688	KWK99123
1.237	1.243	0.315	0.438	1.540	0.688	KWK99141
1.247	1.253	0.313	0.438	1.500	0.688	KWK99125
1.257	1.263	0.315	0.437	1.496	0.709	KWK99128
1.308	1.314	0.250	0.375	1.600	0.813	KWK99129
1.310	1.316	0.500	0.625	1.594	0.813	KWK99131
1.336	1.342	0.500	0.625	1.638	0.813	KWK99134
1.371	1.377	0.313	0.438	1.638	0.813	KWK99133
1.371	1.377	0.500	0.625	1.638	0.813	KWK99138
1.375	1.381	0.512	0.630	1.638	0.812	KWK99139
1.412	1.417	0.518	0.669	1.689	0.984	KWK99146
1.432	1.438	0.563	0.688	1.781	1.000	KWK99143
1.435	1.441	0.375	0.500	1.781	1.016	KWK99144
1.453	1.460	0.375	0.500	1.781	0.812	KWK99145
1.490	1.496	0.512	0.669	1.780	0.984	KWK99147
1.497	1.503	0.375	0.500	1.781	1.016	KWK99150
1.497	1.503	0.563	0.688	1.781	1.000	KWK99149
1.520	1.526	0.438	0.563	1.859	1.016	KWK99152
1.549	1.555	0.438	0.563	1.859	1.000	KWK99155
1.559	1.565	0.563	0.688	1.859	1.000	KWK99156
1.572	1.578	0.512	0.630	1.850	1.023	KWK99157
1.602	1.608	0.500	0.641	1.938	1.000	KWK99160
1.622	1.628	0.313	0.438	1.875	1.016	KWK99161
1.623	1.628	0.563	0.688	1.875	0.813	KWK99162
1.647	1.654	0.445	0.571	2.087	0.827	KWK99166
1.647	1.654	0.563	0.688	2.087	0.827	KWK99169
1.684	1.690	0.563	0.688	1.906	0.875	KWK99168
1.685	1.691	0.313	0.438	1.906	0.875	KWK99167
1.715	1.721	0.563	0.688	2.031	0.813	KWK99171
1.736	1.742	0.375	0.500	2.063	0.813	KWK99170
1.747	1.753	0.375	0.500	2.055	0.813	KWK99172
1.747	1.753	0.531	0.625	2.063	0.875	KWK99180
1.747	1.753	0.563	0.688	2.063	0.813	KWK99174
1.747	1.753	0.750	0.875	2.063	0.813	KWK99175
1.761	1.767	0.563	0.688	2.063	0.813	KWK88176
1.761	1.767	0.563	0.688	2.063	0.813	KWK99176
1.769	1.775	0.551	0.669	2.087	0.812	KWK99177
1.778	1.784	0.675	0.800	2.125	1.000	KWK88179
1.778	1.784	0.675	0.800	2.125	1.062	KWK99179
1.809	1.815	0.563	0.688	2.156	1.000	KWK99181
1.857	1.863	0.563	0.688	2.156	1.000	KWK99185
1.866	1.872	0.889	1.025	2.187	1.000	KWK88186
1.866	1.872	0.889	1.025	2.187	1.000	KWK99186
1.872	1.878	0.175	0.295	2.203	0.744	KWK99190
1.872 1.872 1.872 1.872 1.872 1.887	1.878 1.878 1.878 1.878 1.893	0.295 0.375 0.563 0.563 0.551	0.415 0.516 0.688 0.688 0.668	2.203 2.203 2.203 2.203 2.203 2.205	0.744 1.050 1.000 1.000 0.984	KWK99188 KWK99184 KWK88187 KWK99187 KWK99189



Part Number	Installation Depth (E)	Flange Diameter (D)	Overall Width (C)			
KWK99192	1.000	2.219	0.500	0.375	1.915	1.909
KWK99193	1.000	2.219	0.688	0.563	1.940	1.934
KWK99196	0.984	2.244	0.688	0.551	1.971	1.965
KWK99198	1.050	2.313	0.704	0.563	1.983	1.977
KWK88199	1.000	2.406	0.688	0.563	2.003	1.997
KWK99199	1.000	2.406	0.688	0.563	2.003	1.997
KWK99200	1.000	2.406	1.000	0.875	2.003	1.997
KWK99204	1.000	2.469	0.625	0.500	2.047	2.041
KWK99205	1.375	2.469	0.938	0.781	2.063	2.057
KWK99210	1.281	2.422	0.750	0.500	2.128	2.123
KWK99212	1.375	2.422	0.938	0.781	2.130	2.124
KWK99215	1.250	2.441	0.905	0.787	2.168	2.162
KWK88218	1.313	2.500	0.938	0.781	2.192	2.186
KWK99218	1.313	2.500	0.938	0.781	2.192	2.186
KWK99220	1.250	2.500	0.625	0.500	2.205	2.197
KWK99229	1.313	2.531	0.625	0.500	2.233	2.227
KWK99230	1.250	2.531	0.906	0.781	2.233	2.227
KWK99226	1.250	2.562	0.900	0.764	2.243	2.237
KWK99227	1.313	2.531	0.438	0.313	2.255	2.249
KWK88225	1.313	2.531	0.938	0.781	2.255	2.249
KWK99225	1.313	2.531	0.938	0.781	2.255	2.249
KWK99231	1.600	2.688	0.938	0.781	2.315	2.309
KWK88233	1.610	2.750	0.875	0.750	2.333	2.327
KWK99233	1.610	2.750	0.875	0.750	2.333	2.327
KWK99241	1.472	2.783	0.449	0.370	2.365	2.359
KWK99235	1.375	2.785	0.905	0.787	2.365	2.359
KWK99236	1.375	2.750	0.938	0.781	2.375	2.369
KWK99238	1.375	2.750	0.750	0.594	2.378	2.372
KWK99240	1.375	2.750	0.683	0.526	2.380	2.374
KWK99237	1.375	2.734	0.938	0.781	2.380	2.374

	Diameter ge (A)	Width on Shaft (B)	Overall Width (C)	Flange Diameter (D)	Installation Depth (E)	Part Number
2.434	2.440	0.781	0.938	2.828	1.375	KWK99243
2.435	2.441	0.500	0.626	2.827	1.417	KWK99242
2.489	2.495	0.781	0.938	2.875	1.393	KWK99249
2.497	2.503	0.555	0.650	2.820	0.890	KWK99253
2.500	2.506	0.500	0.656	2.828	1.375	KWK99248
2.500	2.506	0.781	0.938	2.828	1.375	KWK99250
2.510	2.516	0.781	0.906	2.828	1.438	KWK99251
2.556	2.562	0.787	0.905	2.850	1.378	KWK99254
2.560	2.566	0.781	0.938	2.891	1.375	KWK99256
2.595	2.602	0.781	0.938	2.990	1.250	KWK99259
2.618	2.624	0.781	0.938	3.047	1.375	KWK99261
2.621	2.627	0.781	0.906	3.047	1.375	KWK99264
2.622	2.628	0.500	0.625	3.047	1.375	KWK99260
2.625	2.631	0.781	0.938	3.047	1.375	KWK99262
2.727	2.733	0.781	0.906	3.125	1.313	KWK99268
2.740	2.746	0.781	0.938	3.065	1.250	KWK99273
2.745	2.751	0.781	0.938	3.125	1.250	KWK99274
2.747	2.753	0.781	0.906	3.125	1.250	KWK99270
2.747	2.753	1.438	1.625	3.075	1.625	KWK99267
2.750	2.756	0.406	0.563	3.125	1.250	KWK99272
2.750	2.756	0.781	0.938	3.125	1.250	KWK99275
2.750	2.756	1.125	1.250	3.125	1.250	KWK99269
2.753	2.759	0.787	0.945	3.125	1.250	KWK99276
2.809	2.815	0.594	0.688	3.188	1.250	KWK99281
2.838	2.844	0.500	0.656	3.225	1.250	KWK99282
2.866	2.872	0.781	0.938	3.188	1.250	KWK99286
2.873	2.879	0.781	0.938	3.219	1.250	KWK99287
2.937	2.943	0.500	0.641	3.344	1.331	KWK99290
2.937	2.943	0.781	0.938	3.344	1.250	KWK99293
2.950	2.956	0.594	0.689	3.272	1.102	KWK99289
2.950	2.956	0.866	1.024	3.305	1.312	KWK99294
2.972	2.976	0.813		-	<u>-</u>	KWK99292
2.990	2.996	0.484	0.625	3.359	1.331	KWK99291
2.990	2.996	0.563	0.688	3.359	1.375	KWK99298
2.990	2.996	0.813	1.000	3.359	1.250	KWK99299
2.997	3.003	0.813	0.938	3.240	1.375	KWK99296
3.000	3.006	0.625	0.813	3.345	1.063	KWK99303
3.000	3.006 3.014	0.813	1.000	3.453	1.250 2.000	KWK99300
3.008 3.120	3.126	0.500 0.688	0.625 0.813	3.355 3.531	2.000	KWK99301 KWK99311
3.120	3.126	0.813	1.000	3.531	2.000	KWK99312
3.124	3.132	0.551	0.709	3.525	2.031	KWK99307
3.142	3.150	0.750	0.886	3.540	1.375	KWK99313
3.146	3.153	0.433	0.590	3.543	1.378	KWK99317
3.146	3.153	0.827	0.945	3.543	1.375	KWK99315
3.225	3.231	0.661	0.850	3.587	1.732	KWK99328
3.247	3.253	0.813	1.000	3.594	1.375	KWK99322
3.248	3.254	0.600	0.725	3.585	1.375	KWK99323
3.250 3.250	3.256 3.256	0.595 0.688	0.719 0.875	3.594 3.585	1.375 1.250	KWK99324 KWK99326



Part Number	Installation Depth (E)	Flange Diameter (D)	Overall Width (C)	Width on Shaft (B)	iameter je (A)	
KWK99325	1.375	3.594	1.000	0.813	3.256	3.250
KWK99331	1.375	3.688	1.000	0.813	3.313	3.307
KWK99333	1.378	3.700	0.984	0.827	3.346	3.337
KWK99334	1.433	3.697	0.984	0.827	3.346	3.338
KWK99338	1.410	3.688	0.500	0.375	3.379	3.373
KWK99337	1.375	3.688	1.000	0.813	3.379	3.373
KWK99339	1.406	3.844	0.906	0.781	3.441	3.435
KWK99340	1.406	3.835	0.906	0.781	3.483	3.477
KWK99347	1.339	3.827	0.500	0.315	3.506	3.500
KWK99350	1.375	3.844	1.000	0.813	3.506	3.500
KWK99349	1.339	3.842	0.811	0.626	3.507	3.501
KWK99353	1.732	4.000	0.665	0.528	3.546	3.540
KWK99351	1.813	4.000	0.906	0.710	3.546	3.540
KWK99354	1.750	4.000	1.102	0.906	3.546	3.540
KWK99356	1.750	3.900	1.000	0.813	3.566	3.560
KWK99360	1.732	4.031	1.000	0.811	3.624	3.618
KWK99363	1.750	4.025	0.625	0.500	3.629	3.623
KWK99362	1.750	4.031	1.000	0.813	3.629	3.623
KWK99368	0.375	3.830	0.438	0.313	3.690	3.684
KWK99359	1.750	4.025	0.938	0.813	3.691	3.685
KWK99365	1.750	4.025	0.938	0.813	3.691	3.685
KWK99369	1.750	4.025	0.945	0.827	3.743	3.737
KWK99374	1.750	4.031	0.500	0.344	3.746	3.740
KWK99364	1.750	4.035	0.594	0.469	3.746	3.740
KWK99376	1.750	4.025	0.688	0.563	3.752	3.746
KWK99367	1.750	4.031	0.500	0.344	3.756	3.750
KWK99372	1.875	4.031	0.875	0.688	3.756	3.750
KWK99387	1.875	4.219	1.000	0.813	3.879	3.873
KWK99393	1.340	4.313	1.000	0.813	3.941	3.935
KWK99401	2.066	4.375	0.625	0.500	4.006	3.998

	liameter ge (A)	Width on Shaft (B)	Overall Width (C)	Flange Diameter (D)	Installation Depth (E)	Part Number
3.998	4.006	0.600	0.725	_	2.050	KWK99395
3.998	4.006	0.650	0.775	4.375	1.375	KWK99400
3.998	4.006	0.813	1.000	4.375	1.250	KWK99399
4.122	4.130	0.813	1.000	4.420	1.375	KWK99412
4.130	4.138	0.787	0.906	4.470	1.378	KWK99413
_						
4.183	4.191	0.813	1.000	4.500	1.375	KWK99418
4.226	4.234	0.781	0.906	4.610	1.438	KWK99423
4.248	4.256	0.813	1.000	4.813	1.375	KWK99424
4.327	4.335	0.509 0.813	0.650	4.921 4.750	1.250	KWK99435
4.370	4.378	0.613	1.000	4.750	1.650	KWK99437
4.434	4.442	1.000	1.142	4.813	1.313	KWK99439
4.496	4.504	0.813	1.000	5.000	1.375	KWK99450
4.523	4.531	0.813	0.938	5.000	1.250	KWK99452
4.621	4.629	0.438	0.625	5.000	1.375	KWK99465
4.621	4.629	1.000	1.250	5.063	1.375	KWK99463
4.005	4.000	0.010	1.000	F 000	1.075	KWKOOACO
4.685 4.720	4.693 4.728	0.812	1.000 0.984	5.062	1.375 1.260	KWK99468 KWK99473
4.720 4.746	4.728 4.754	0.787 0.500	0.984	5.110		
4.746	4.754	0.500	0.750	5.250 5.177	1.500 1.260	KWK99475 KWK99472
4.871	4.879	0.625	0.752	5.252	1.457	KWK99472 KWK99487
4.671	4.679	0.025	0.752	5.252	1.457	KWK99407
4.917	4.925	0.394	0.551	5.402	1.457	KWK99490
4.917	4.925	1.024	1.260	5.400	1.438	KWK99492
4.998	5.006	0.688	0.875	5.400	1.438	KWK99498
4.998	5.006	0.813	1.000	5.406	1.500	KWK99499
5.110	5.118	0.750	0.938	5.493	1.181	KWK99494
E 117	E 10E	0.866	0.006	5.942	1 200	KWK99491
5.117 5.246	5.125 5.254	0.866	0.996 1.000	5.942 5.560	1.299 1.250	KWK99491 KWK99525
5.371	5.254	0.813	1.000	5.875	1.250	KWK99525 KWK99537
5.498	5.506	0.812	1.000	5.938	1.250	KWK99549
5.508	5.516	0.807	1.000	5.945	1.250	KWK99552
5.746	5.754	0.813	1.000	6.180	1.750	KWK99575
5.871	5.879	1.000	1.250	6.188	1.313	KWK99587
5.895	5.905	1.024	1.181	6.260	1.338	KWK99595
5.934	5.942	1.000	1.125	6.375	1.875	KWK99596
5.995	6.003	0.500	0.750	6.360	1.750	KWK99601
5.995	6.003	1.000	1.250	6.375	1.750	KWK99599
6.092	6.102	1.024	1.181	6.500	1.299	KWK99606
6.245	6.255	1.031	1.250	6.625	1.750	KWK99625
6.289	6.299	1.000	1.250	7.000	1.800	KWK99630
6.495	6.505	1.000	1.250	7.000	1.750	KWK99650
0.000	0.000	4.050	4 400	7.400	4 750	KWKOOCAC
6.683	6.693	1.250	1.496	7.188	1.750	KWK99640
6.745	6.755	0.813	1.063	7.125	1.750	KWK99675
6.995 7.077	7.005 7.087	1.000 1.300	1.250 1.496	7.500	1.750 1.752	KWK99700 KWK99721
7.077 7.244	7.087 7.254	1.250	1.500	7.500 7.760	2.175	KWK99721 KWK99725
7.495	7.505	0.813	1.000	7.875	1.250	KWK99750
7.745	7.755	1.000	1.313	8.270	1.875	KWK99775
7.869	7.879	1.359	1.500	8.375	1.750	KWK99787
7.933	7.943	1.000	1.250	8.375	1.750	KWK99799
7.995	8.005	1.000	1.250	8.375	1.750	KWK99800

Shaft	O.D.	Width	Part Number	Seal Number	Description
					·
-	-	-	5068 5073	-	(Split Seal) Contains (2) G753 Gasket
_	-	_	5106	_	Split Seal
-	-	-	5111	-	(Split Seal)
-	-	-	5112	-	(Split Seal)
-	-	-	5118	-	(Split Seal)
-	-	-	5682	-	
-	-	-	5685	-	(17:17)
-	-	-	5686 5690	-	(Kit)
			3090		(Repair Kit)
-	-	-	5694	**1884	(Kit)
-	-	-		**4899 722111	
_	_	_	5700	-	(Kit)
-	3.030	0.325	5092	-	(Split Seal)
_	4.000	0.187	5116	-	(Split Seal)
-	4.200	0.222	5108	-	(Split Seal)
-	4.862	0.410	*5479	-	Contains (2) * G196 Gasket & (2) * G214 Gasket
-	4.875	0.455	5476	** -	Contains (2) * G211 Gasket
-	4.875	0.410	5596	-	Contains (2) * G196 Gasket & (2) * G456 Gasket
-	5.625	0.430	5414	-	Contains (2) * G129 Gasket & * G130 Gasket & * G131 Gasket
-	5.700	0.415	*5576	-	Contains (2) * G427 Gasket
-	5.700	0.415	5650 5501	-	Contains (0) * C400 Cooket 8 (0) * C400 Cooket
-	6.240 6.600	0.400 0.430	5591 5390	-	Contains (2) * G462 Gasket & (2) * G463 Gasket Contains (2) * G214 Gasket & (2) * G594 Gasket
	0.000	0.430	3330		Contains (2) G214 Gasket & (2) G394 Gasket
	6.906	0.440	5419	_	Contains (2) * G137 Gasket
1.062	1.507	0.440	5346	**340210	Contains (2) * 666215 'O' Ring & * 666232 'O' Ring & * 666334 'O' Ring
1.062	2.129	0.625	5168	**413293	Contains * JV1872 Wear Sleeve
1.172	1.832	0.422	5462	**6370N	Contains * J712 Wear Sleeve
1.250	1.756	-	PSK-1	SR2	(KIT)
1.250	1.756	-		**SW2	
1.250	1.756	-		5683	++
1.250	1.756	- 0.750	E166	5864	++ Contains * IV1070 Wear Classes
1.250 1.376	2.254 2.254	0.750 1.370	5166 5204	**410169 **7495S	Contains * JV1873 Wear Sleeve Contains * RP 691 Bushing (Seal & Bushing Kit)
1.570	2.254	1.570	3204	74933	Contains in 691 Bushing (Seal & Bushing Kit)
1.438	2.192	0.480	5550	**9249	Contains * 623017 'O' Ring
1.493	2.507	0.700	5592	**8097	Contains * JV970 Wear Sleeve
1.500	2.378	1.500	5201	**470059	Contains * RP 605 Bushing (Seal & Bushing Kit)
1.500	2.378	1.500	5202	**7692S	Contains * RP 605 Bushing (Seal & Bushing Kit)
1.500	2.570	0.550	5071	**200861%	Contains * JV933 Wear Sleeve
1.502	2.381	0.940	5200	**9613S	Contains * RP 356 Bushing (Seal & Bushing Kit)
1.562	2.506	0.500	5331	**450185 **80258	Contains * G199 Gasket
1.566 1.688	2.515 2.687	1.370 1.240	5207 5205	**8935S **7038SA	Contains * RP 553 Bushing (Seal & Bushing Kit) Contains RP 717 Bushing (Seal & Bushing Kit)
1.688	2.850	2.120	5206	**7300S	Contains * RP 546 Bushing (Seal & Bushing Kit)
1.689	2.850	2.120	5203	**7300S	Contains * RP 661 Bushing (Seal & Bushing Kit)
1.750	3.376	0.667	5203 5302	**8398	Contains * K259 Wiper
1.763	2.416	0.563	5000	** -	Contains Tress Tripol
1.766	3.005	0.875	5364	**451139	Contains * JX825 Wear Sleeve
1.812	2.879	0.718	5531	**410295	Contains * JV1464 Wear Sleeve

Shaft	O.D.	Width	Part Number	Seal Number	Description
1.875 1.875 1.875 1.875 1.875	2.565 2.627 2.690 2.762 2.808	0.563 0.843 0.625 0.500 0.433	5001 5599 5388 5336 5699	- **470455 450360 **410283 4310	Contains * J990 Wear Sleeve Contains * J1107 Wear Sleeve Contains * G736 Gasket Contains * AS232 'O' Ring
1.875 1.875 1.875 1.880 1.887	3.130 3.150 4.812 2.414 1.998	0.625 0.315 0.312 0.250 1.000	5361 5697 5594 5458 5208	**450310N 4051 **7105S **6910S **9449	Contains * J1107 Wear Sleeve Contains * AS232 'O' Ring Contains (2) * G196 Gasket & (2) * G456 Gasket Contains * 610101 'O' Ring Contains RP775 Bushing (Seal & Bushing Kit)
1.915 1.915 2.000 2.000 2.000	2.548 2.548 3.376 3.376 4.562	0.250 0.250 0.625 0.625 0.562	5499 5573 5161 5188 5329	**7020 **7020 **410972 **410972N 6465B	Contains * 610105 'O' Ring Contains * 610145 'O' Ring Contains * J1109 Wear Sleeve & * JV1837 Wear Sleeve Contains * J1109 Wear Sleeve & * JV1837 Wear Sleeve Contains (2) G33 Gasket
2.000 2.000 2.000 2.010 2.010	4.562 5.880 5.880 2.965 2.965	0.562 0.458 0.448 0.318 0.318	5330 *5172 5487 5695	**6469 **6959 - **SK1 **SK2	Contains (2) * G34 Gasket Contains * K251 Wiper & * G895A Gasket Contains (2) * G221 Gasket & * K251 Wiper Contains *SK3 Wear Sleeve (Kit)
2.047 2.047 2.047 2.120 2.121	2.964 2.964 2.964 3.505 3.350	0.315 0.315 0.315 0.750 0.500	5696 5521 5397	**1993 **4898 722110 **415093 **9434	(Kit) Contains * JV1456 Wear Sleeve
2.121 2.125 2.129 2.129 2.187	3.350 3.072 2.766 2.766 3.194	0.500 0.433 0.250 0.250 0.437	5604 5488 5589 5332	**482435 **3948 **6957 **6957 450354	Contains * JV2019 Wear Sleeve Contains * 610123 'O' Ring Contains * 666151 'O' Ring Contains * G25 Gasket
2.250 2.250 2.340 2.375 2.375	3.256 3.256 3.355 3.433 4.943	0.625 0.625 0.650 1.000	5160 5189 5666 5602 5603	**412038 **412038N **3501V **473274N **3136N	Contains * J1113 Wear Sleeve & * JV1836 Wear Sleeve Contains * J1113 Wear Sleeve & * JV1836 Wear Sleeve Conains * JX1966 Wear Sleeve Contains * JV1802 Wear Sleeve Contains * JV1802 Wear Sleeve
2.377 2.420 2.430 2.432 2.496	3.505 3.558 3.031 3.756 3.758	0.937 0.336 0.380 0.750 0.625	5066 5698 5567 *5520 5045	**3894V 4185 - **415244 **200851%	Contains * JX1920 Wear Sleeve Seal & Sleeve Contains * AS043 'O' Ring Contains * JV1455 Wear Sleeve Contains * JV1582 Wear Sleeve
2.500 2.531 2.562 2.625 2.625	6.125 6.125 8.250 3.480 3.755	0.435 0.500 1.003 0.380 0.625	5401 5384 5406 5072 5147	**7512S **7154S **6481N - **200919	Contains (2) * G41 Gasket & * G43 Gasket & * JV1304 Wear Sleeve Contains & G41 Gasket Contains * G40 Gasket & * K282 Wiper Contains * JV1517 Wear Sleeve
2.750 2.812 2.835 2.860 2.875	3.881 4.504 3.425 6.562 3.756	1.000 1.000 0.230 0.571 0.625	5584 5399 5163 5403 5601	**415479N **415356 - **6479 **476023N	Contains * K198 Wiper Contains * JV1427 Wear Sleeve Contains J493 Wear Sleeve Contains * JV1120 Wear Sleeve

Shaft	O.D.	Width	Part Number	Seal Number	Description
2.988	3.740	1.165	5290	** -	
2.991	3.637	0.385	5273	**100202T	(Tefbnf)
3.000	4.008	0.625	5629	**457034	Contains * J1121 Wear Sleeve
3.000 3.000	4.008 8.250	0.687 0.531	5657 5452	**457034 6764S	Contains * JX1747 Wear Sleeve Contains * G48 Gasket & * G167 Gasket & * J495 Wear Sleeve
	0.230	0.551	3432	07043	Contains 440 Gasket & G107 Gasket & 3493 Weat Sleeve
3.010	8.150	0.925	5494	**6897	Contains (2) * G40 Gasket & * K156 Wiper
3.010	8.250	0.571	5015	**8369S	Contains * G48 Gasket & * JV495 Wear Sleeve & (2) * G523 Gasket
3.010	8.250	0.571	5313	**8369S	Contains * K282 Wiper & (2) * G523 Gasket
3.110 3.112	5.750 4.633	0.375 0.920	5079 5100	**7896S **9583	Contains * JV1508 Wear Sleeve
	1.000	0.020			Contains 011000 Wear Gloove
3.119	4.130	0.750	5509	**255566H	Contains * J1401 Wear Sleeve
3.119	4.756	0.875	5518	**04770	O-minima (O) * O 40 O-minima (O * O 40 O-minima (O * 1070 M/now Clarus)
3.124 3.125	8.250 4.130	0.518 0.625	5408 5120	**6477S **415566N	Contains (2) * G40 Gasket & * G42 Gasket & * J873 Wear Sleeve Contains * J1122 Wear Sleeve
3.125	4.130	1.000	5578	**485500N	Contains * K179 Wiper
	4.100	1.000		40000014	Contains 1175 Wiper
3.125	7.500	0.625	5405	**6480	Contains * G49 Gasket & * K282 Wiper
3.125	8.125	0.571	5410 5105	**6505S	Contains * G48 Gasket & (2) * G54 Gasket & * JV495 Wear Sleeve
3.125 3.250	8.250 4.008	0.571 0.866	5185 5609	-	
3.250	4.254	0.750	5169	**476028	Contains * JV1875 Wear Sleeve
-					
3.250	4.254	0.625	5373	**416294N	Contains * J1123 Wear Sleeve
3.250	4.254	0.625	5382	**415613	Contains * J1123 Wear Sleeve
3.250 3.250	4.572 5.004	0.750 0.625	5593 5381	**200870 **415025	Contains * JV980 Wear Sleeve Contains * J1123 Wear Sleeve
3.250	4.380	0.812	5588	**8130	Contains * JV976 Wear Sleeve
		0.0.2			Containe Crore treat closes
3.438	4.012	0.410	5095	-	(Rope Type)
3.438	4.313	0.188	5117	- **400000T	(Split Seal)
3.465 3.500	4.266 5.256	0.437 0.718	5287 *5551	**100239T **416335	Contains 732079 Gasket & * 733419 Gasket & 734280 Gasket (Tefbnf) Contains * JV1494 Wear Sleeve
3.500	6.625	0.531	5327	**6245S	Contains 3V1434 Wear Gleeve Contains (2) * G35 Gasket
	0.020	0.001		02.00	
3.562	4.630	0.700	5347	**8480	Contains * JV1170 Wear Sleeve
3.562	5.125	0.875	5649	**9584	Contains * JV1509 Wear Sleeve
3.562 3.583	5.256 4.375	0.468 0.394	5532 5279	**416670 **100052T	Contains * JV1469 Wear Sleeve Contains 731414 Gasket (Tefbn f)
3.625	4.256	0.394	5279 5277	**1000321	(Tefbnf)
		0.000			(10.51.1)
3.625	4.756	0.875	5167	**475379	Contains * JV1874 Wear Sleeve
3.625	4.879	0.585	5453	**485497	Contains * 633013 'O' Ring Kit
3.740	4.540	0.492	5274 5278	**100203T	Contains 733215 Gasket (Tefbn
3.750 3.750	4.506 4.756	0.362 0.625	5278 5084	**100205T -	(Tefbnf)
	00	0.020			
3.865	6.102	0.975	5667	**4269	Contains * J2058 Wear Sleeve
3.868	5.506	0.921	5475	**6864S **0596	Contains * J718 Wear Sleeve
3.930 3.937	5.381 5.506	0.875 0.859	5028 5465	**9586 **455037	Contains * JV1511A Wear Sleeve Contains * JV1362 Wear Sleeve
3.937	5.506	0.859	5563	**6864S	Contains * JV1362 Wear Sleeve
3.937	5.509	0.597	5089 5076	**2155 **0596	Contains * JV1511 Wear Sleeve
3.937 3.994	5.678 5.004	0.875 0.718	5076 5526	**9586 **415134	Contains * JV1511 Wear Sleeve Contains * JV1461 Wear Sleeve
3.994	5.004	0.718	5065	**455134H	Contains * J1129 Wear Sleeve
4.000	5.004	0.625	5376	**413134N	Contains * J1129 Wear Sleeve

Shaft	O.D.	Width	Part Number	Seal Number	Description
4.000	5.004	0.937	5581	**7390	Contains * JV943 Wear Sleeve
4.062	5.506	0.875	5170	**415039	Contains * JV1473 Wear Sleeve
4.062	6.000	0.875	5537	**416673	Contains * JV1473 Wear Sleeve
4.375 4.500	6.259 6.259	0.843 0.862	5077 5075	**9587 **9588	Contains * JV1512 Wear Sleeve Contains * JV1513 Wear Sleeve
4.642	5.756	0.750	5008	455053	Contains * JX847 Wear Sleeve
4.646 4.687	5.756 5.756	0.625 1.562	5625 5460	**485138 **455251H	Contains * JX1386 Wear Sleeve Contains * JV729 Wear Sleeve
4.687	5.756	1.562	5461	**75251S	Contains * J729 Wear Sleeve
4.687	7.635	0.359	5575	**6701	Contains JV608 Wear Sleeve
4.740	0.050	0.010	5507	445000	Ocataina * IV/4 400 IV/a ar Ola ara
4.743 4.750	6.256 6.006	0.812 0.750	5527 *5010	415068 **476621H	Contains * JV1462 Wear Sleeve Contains * J1135 Wear Sleeve
4.750	6.256	0.750	5377	**415068N	Contains * J1135 Wear Sleeve
4.759	6.316	1.250	5481	**6872S	Contains * JV753 Wear Sleeve
4.759	6.505	1.125	5483	**6873S	Contains * JV753 Wear Sleeve
4.759	7.004	1.250	5495	**7006S	Contains * JV753 Wear Sleeve
4.812	6.316	1.250	5471	**6872S	Contains * JV701 Wear Sleeve
4.812 4.812	6.505 7.004	1.125 1.250	5473 5472	**6873S **7006S	Contains * JV701 Wear Sleeve Contains * JV701 Wear Sleeve
4.834	5.756	0.710	5033	**3492	Contains * JX2162 Wear Sleeve
4.841	5.756	0.750	5665	**3492V	Contains JX1967 Wear Sleeve
4.875 4.993	6.006 6.131	0.715 0.750	5643 5229	**3782 **416172	Contains * J1606 Wear Sleeve Contains * J1137 Wear Sleeve
5.000	6.006	0.717	5722	**947090	Contains * JL2370 Wear Sleeve
5.000	6.131	0.875	5199	**8971H	Contains * JX1831 Wear Sleeve
5.000	6.131	0.875	5624	**456557	Contains * JX1831 Wear Sleeve
5.179	6.513	1.380	5424	**327984	Contains * JF2280 Wear Sleeve
5.180	6.507	0.750	*5082	**456986H	Contains * J2037 Wear Sleeve
5.187 5.500	6.513 6.631	1.380 0.875	5422 5146	**327984 **415487	Contains * JF2280 Wear Sleeve Contains * JV1463 Wear Sleeve
	0.001	0.070			Contains CV1100 Wood Closes
5.625	6.632	1.000	5383	455447	Contains * J1355 Wear Sleeve
5.875	7.008	0.875	5228	**456055V	Contains * JX1002 Wear Sleeve
5.991 5.998	6.757 6.757	0.500 0.675	5039 5645	**4165V **4165V	Contains * JV2088 Wear Sleeve Contains * J2051 Wear Sleeve
6.000	6.757	0.750	5026	**336665H	Contains * J1141 Wear Sleeve
6.079	7.336	0.750	5613 5627	**2628 **2628	Contains * K458 Wiper & * J1842 Wear Sleeve Contains * J1895 Wear Sleeve
6.079 6.204	7.336 7.336	0.600 0.812	5637 *5634	**2628 **3807	Contains * J1895 Wear Sleeve Contains * J1825 Wear Sleeve
6.500	8.007	0.750	5436	914414	Contains JG2361 Wear Sleeve
6.500	8.007	0.750	5441	914411	Contains JL2361 Wear Sleeve
6.500	8.007	1.000	5443	914413	Contains JG2345 Wear Sleeve
6.875	8.382	0.750	5538	**416674	Contains * JV1474 Wear Sleeve
6.875	8.633	0.825	5164	**3123	
6.875 7.369	8.633 9.010	0.825 0.875	5276	**3124 **415551	Contains * JV1190 Wear Sleeve
	3.010		<u> </u>	. 10001	23
7.908	9.508	0.960	5615	**3624	
7.908 9.057	9.508 10.719	0.960 1.000	5632	**3776S **3689	Contains * J1984 Wear Sleeve
9.057	11.385	0.990	5032 5175	**455871V	Contains * JV829 Wear Sleeve
9.375	11.383	0.825	5227	**3502	
9.375	11.383	0.825		**3503	

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
◆1012N	320	S	1.772	2.441	2.452	0.315	◆1168 ←	320	S	1.299	1.969	1.978	0.472
♦1012S	350	S	45 1.772	62 2.441	62.28 2.452	8 0.315	♦1170	320	S	33 1.378	50 2.047	50.25 2.057	0.394
♦1015	350	S	45 0.709	62 1.102	62.28 1.111	0.236				35	52	52.25	10
♦1015N	350	S	18 0.709	28 1.102	28.22 1.111	6 0.236	♦1170S	320	S	1.378 35	2.047 52	2.057 52.25	0.394 10
♦1019 ←	320	Н	18 2.992	28 3.661	28.22 3.673	6 0.394	◆1172 →	320	Н	1.378	1.850	1.866	0.276
			76	93	93.30	10	♦1172S→	320	Н	35 1.378	47 1.850	47.40 1.866	7 0.276
◆1019S ←	320	Н	2.992	3.661	3.673	0.394	♦1173	320	N	35 1.378	47 2.638	47.40 2.648	0.472
◆1021 ←	320	V	76 2.756	93 3.425	93.30 3.436	10 0.335	♦1174	320	S	35 1.496	67 2.047	67.27 2.058	12 0.27 <u>6</u>
◆1021V←	320	V	70 2.756	87 3.425	87.27 3.436	8.50 0.335				38	52	52.27	7
◆1036 →	400	Ν	70 1.575	87 2.992	87.27 3.003	8.50 0.354	♦1174S	320	S	1.496 38	2.047 52	2.058 52.27	0.276 7
1037	350	S	40 1.125	76 1.500	76.28 1.504	9 0.250	♦1175	320	S	1.496 38	2.283 58	2.294 58.27	0.433 11
4000			4 400		0.004	0.054	◆1176 →	#	Ν	1.496	2.559	2.570	0.472
◆1038 →	320	N	1.496	2.323	2.334 59.28	0.354	♦1176S→	#	Ν	38 1.496	65 2.559	65.27 2.570	12 0.472
♦1039S	350	S	2.362	3.150	3.161 80.29	0.315	♦1177	320	Ν	38 1.496	65 2.9 <u>13</u>	65.27 2.920	12 0.433
1041 1049	480 330	S S	0.500 0.750	1.003 1.125	1.009 1.131	0.250 0.189				38	74	74.17	11
1097	330	S	1.375	1.947	1.953	0.500	♦1178	320	S	1.575	2.047	2.057	0.236
1097N	330	S	1.375	1.947	1.953	0.500	♦1178S	320	S	40 1.575	52 2.047	52.25 2.057	0.236
◆1108 →	320	V	1.378 35	1.890 48	1.899 48.24	0.394 10	♦1180	320	S	40 1.614	52 2.165	52.25 2.172	0.236
1110 ◆1120←	# 320	F V	1.400 1.496	1.969 2.087	2.000 2.098	0.250 0.276	♦1180S	320	S	41 1.614	55 2.165	55.17 2.172	0.236
♦1120S ←	320	V	38 1.496	53 2.087	53.29 2.098	7 0.276	♦1181	350	S	41 1.614	55 2.205	55.17 2.211	6 0.27 <u>6</u>
	0_0	•	38	53	53.29	7				41	56	56.16	7
♦1121 ←	320	V	1.220	1.811	1.820	0.315	♦1183	340	S	1.693	2.165	2.176	0.315 8
♦1126	250	S	31 1.535	46 1.984	46.23 1.991	8 0.335	♦1187S	320	S	43 1.850	2.677	55.27 2.688	0.394
♦1126S	250	S	39 1.535	50.40 1.984	50.57 1.991	8.50 0.335	♦1188	340	S	47 1.890	68 2.441	68.27 2.452	0.236
1128S	350	S	39 1.535	50.40 2.000	50.57 2.008	8.50 0.295	♦1188S	340	S	48 1.890	62 2.441	62.28 2.452	0.236
♦1129	350	Š	1.181	1.575	1.584 40.23	0.276	1192	320	S	48 1.605	62 2.374	62.28 2.386	6 0.375
					.0.20	<u>.</u>	1105	220	<u> </u>	1 560	0.061	0.075	0.220
◆1136 ←	300	Ν	1.378 35	2.992 76	3.003 76.28	0.354 9	1195 ◆1196	320 470	S S	1.562 1.496	2.061 2.047	2.275 2.058	0.338 0.236
◆1136S ←	300	Ν	1.378 35	2.992 76	3.003 76.28	0.354 9	♦1205	470	S	38 1.535	52 2.047	52.27 2.053	6 0.248
◆1140 →	320	N	1.378 35	2.677 68	2.688 68.28	0.354 9	♦1205N	470	S	39 1.535	52 2.047	52.15 2.053	6.30 0.248
◆1146 ←	320	Ν	1.575 40	2.992 76	3.003 76.28	0.354	♦1207	490	S	39 2.165	52 2.913	52.15 2.920	6.30 0.236
♦1146S <i>←</i>	320	Ν	1.575 40	2.992 76	3.003 76.28	0.354				55	74	74.17	6
			70	70	, 0.20		◆1207N	490	S	2.165	2.913	2.920	0.236
◆1147 →	320	Ν	1.378 35	2.992 76	3.003 76.28	0.354 9	1208	320	S	55 1.890	74 2.835	74.17 2.847	6 0.276
◆1167	320	N	1.260	2.047	2.058 52.27	0.433	1208S ◆1209	320 350	S S	1.890 1.969	2.835 2.559	2.847 2.565	0.276 0.354
♦1167S	320	Ν	1.260	2.047 52	2.058 52.27	0.433				50	65	65.15	9

Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
2.559 65	2.565 65.15	0.354 9	1952 ◆1953	540 320	S N	1.771 1.654 42	3.661 2.362 60	3.661 2.373 60.27	0.313 0.276 7
2.126	2.132	0.209	♦1953S	320	Ν	1.654	2.362	2.373 60.27	0.276 7
54 2.126	54.15 2.132	5.30 0.209	♦1955	350	S	2.047 52	2.559 65	2.565 65.15	0.354 9
54 2.126	54.15 2.132	5.30 0.209	♦1956	#	S	1.890	2.441 62	2.452 62.28	0.354
54 2.165	54.15 2.172	5.30 0.354							
55 2.1 65	55.17 2.172	9 0.354	♦1956S	#	S	1.890	2.441	2.452 62.28	0.354
55	55.17	9	♦1958	350	S	2.165 55	3.228 82	3.235 82.17	0.394 10
1.890 48	1.895 48.13	0.512 13	1959 ◆1960	320 470	S S	1.870 1.969	2.781 2.756	2.792 2.761	0.359 0.354
1.890	1.895 48.13	0.512	♦1962	780	S	50 1.575	70 2.047	70.13 2.053	9 0.276
48 2.520 64	2.526 64.16	13 0.472 12				40	52	52.15	7
2.520 64	2.526 64.16	0.472 12	♦1963	350	N	0.866	1.575	1.581	0.276
2.047 52	2.053 52.15	0.276	◆ 1964	470	S	22 2.244	40 2.835	40.16 2.840	7 0.331
52	52.15		◆ 1965	480	V	57 1.417	72 2.362	72.14 2.370	8.40 0.315
2.311 58.70	2.322 58.98	0.374 9.50	◆1966 →	350	Υ	36 1.496	60 2.047	60.20 2.058	8 0.27 <u>6</u>
2.638 67	2.649 67.29	0.276 7	1969	470	S	38 1.890	52 2.480	52.27 2.484	7 0.354
2.677 68	2.683 68.15	0.295 7.50		250		1 101	1 654	1 660	0.076
2.126 3.189	2.134 3.196	0.382 0.315	♦1970 1071	350 470	S S	1.181	1.654 42	1.663 42.24	0.276
81	81.18	8	1971 ◆1973	250	S	1.969 1.890	2.520 2.559	2.524 2.565	0.256
2.677	2.683	0.177	♦1974	970	S	48 1.969 50	65 2.638 67	65.15 2.649 67.29	8.10 0.433 11
68 2.677	68.15 2.683	4.50 0.177	♦1975	320	S	2.047	2.480 63	2.489	0.315
68 3.543	68.15 3.550	4.50 0.276				52	03	63.23	8
90 2.520	90.17 2.531	7 0.236	♦1975S	320	S	2.047 52	2.480 63	2.489 63.23	0.315 8
64 2.520	64.29 2.531	6 0.236	♦1979 →	470	Ν	1.772 45	2.953 75	2.959 75.16	0.472 12
64	64.29	6	◆1980 →	320	Н	1.378 35	1.969 50	1.980 50.29	0.276 7
2.520	2.531	0.354	◆1981 →	350	N	1.181	1.772 45	1.781 45.24	0.315
64 2.520	64.29 2.531	9 0.354	♦1984	250	S	2.244 57	2.638 67	2.649 67.29	0.236
64 1.949	64.29 1.962	9 0.394							
49.50 3.051	49.83 3.057	10 0.551	♦1985	480	S	2.362 60	3.543 90	3.550 90.17	0.551 14
77.50 2.843	77.65 2.854	14 0.295	♦1985S	480	S	2.362 60	3.543 90	3.550 90.17	0.551 14
72.20	72.49	7.50	♦1986	480	S	2.835	3.465	3.474 88.25	0.276
4.134 2.677	4.146 2.688	0.512 0.315	◆1986S	480	S	2.835 72	3.465 88	3.474 88.25	0.276 7
68	68.28	8	1987	330	N	1.375	1.937	1.954	0.235
2.087	2.093	0.276	1987S	330	N	1.375	1.937	1.954	0.235
2.520	2.531	0.354	1989 ◆1990→	470 320	S N	1.063	1.693	1.702	0.256 0.354 9
	2.441 2.087 53	2.441 2.447 2.087 2.093 53 53.16 2.520 2.531	2.441 2.447 0.325 2.087 2.093 0.276 53 53.16 7 2.520 2.531 0.354	2.441 2.447 0.325 2.087 2.093 0.276 53 53.16 7 2.520 2.531 0.354 1990→	2.441 2.447 0.325 2.087 2.093 0.276 53 53.16 7 2.520 2.531 0.354 1989 470 41990→ 320	2.441 2.447 0.325 2.087 2.093 0.276 53 53.16 7 2.520 2.531 0.354 1989 470 S 41990→ 320 N	2.441 2.447 0.325 2.087 2.093 0.276 53 53.16 7 2.520 2.531 0.354 1989 470 S 1.126 41990→ 320 N 1.063	2.441 2.447 0.325 2.087 2.093 0.276 53 53.16 7 2.520 2.531 0.354 1987 330 N 1.375 1.937 1989 470 S 1.126 1.693 1989 470 S 1.126 1.693 1989 470 S 1.126 1.693 1989 470 S 1.126 1.693	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
♦1992	470	S	1.772	2.559	2.565	0.197 5	◆2261 ←	470	V	4.331	5.118	5.132	0.394
♦1993	470	S	45 2.205	65 2.874	65.15 2.880	0.295	2286	740	S	110 2.199	130 3.519	130.35 3.523	10 0.590
			56	73	73.15	7.50	2287	2740	S	0.750	1.250	1.254	0.280
◆1994	320	S	1.890	2.756	2.767	0.354	2297V←	250	V	6.000	6.750	6.757	0.500
1999	480	S	48 1.625	70 2.250	70.28 2.256	9 0.311	2300 2377	# 350	S V	1.318 3.750	2.620 4.501	2.625 4.506	1.000 0.362
◆2001 ←	320	S	2.362	3.228 82	3.239 82.27	0.472 12	♦2440	690	Ň	1.772	2.362	2.372	0.425
♦2002	470	S	2.126 54	2.559 65	2.565 65.15	0.512	2443	250	N	45 1.375	60 1.952	60.25 1.953	10.80 0.500
♦2003	470	S	1.417	2.165	2.169	0.256							
			36	55	55.09	6.50	2457← 2465	# #	N S	2.125 1.687	2.880 2.500	2.885 2.511	0.550 1.535
◆2003N	470	S	1.417	2.165	2.169	0.256	2503 →	480	Ν	1.100	1.572	1.578	0.308
\$2004	#	S	36 0.551	55 0.945	55.09 0.952	6.50 0.500	2503N→ 2505	480 890	N S	1.100 4.625	1.572 6.186	1.578 6.192	0.308 1.250
◆2007 →	#	S	14 1.378	24 2.205	24.17 2.216	12.70 0.315							
			35	56	56.29	8	2506← 2628	790 640	S H	1.563 6.204	2.372 7.328	2.378 7.336	0.335 0.562
◆2007N→	#	S	1.378 35	2.205 56	2.216 56.29	0.315 8	2655←	790	Ν	1.374	2.244	2.250	0.374
◆2007S →	#	S	1.378 35	2.205 56	2.216 56.29	0.315 8	2658 2674	750 890	H S	1.614 2.874	2.435 4.174	2.441 4.181	0.300 0.374
♦2008	#	S	1.260 32	2.126 54	2.132 54.15	0.354 9	2689S↔ 2692→	250 760	S N	1.875 1.876	2.868 2.561	2.879 2.567	0.551 0.528
♦2008S	#	S	1.260	2.126 54	2.132 54.15	0.354	2791	330	S	9.000	10.376	10.384	0.625
\$2009	#	Ν	1.496	2.480	2.487 63.17	0.394 10	2792 2822V	330 410	S V	9.910 2.062	10.997 3.000	11.005 3.005	0.625 0.375
◆2009S	#	Ν	38 1.496	2.480	2.487	0.394							
◆2011 →	400	N	38 1.575	63 2.953	63.17 2.959	10 0.472	2942 2955→	470 710	N N	1.875 1.709	2.560 2.209	2.565 2.215	0.406 0.354
			40	75	75.16	12	3016	450	S	5.875	8.001	8.007	0.750
◆2011S →	400	N	1.575	2.953	2.959	0.472	♦3051→	330	Н	1.654 42	2.165 55	2.176 55.27	0.315 8
◆2012 →	320	Υ	40 1.673	75 2.165	75.16 2.176	12 0.236	◆3051N→	330	Н	1.654 42	2.165 55	2.176 55.27	0.315 8
			43	55	55.27	6							
◆2012S →	320	Υ	1.693 43	2.165 55	2.176 55.27	0.236 6	3054 3083	410 480	H H	5.500 1.650	6.625 2.282	6.632 2.336	0.670 0.768
◆2012V→	320	V	1.693 43	2.165 55	2.176 55.27	0.236 6	3087	2810	S	2.048	2.728	2.734	0.250
♦2016	#	S	1.181 30	1.772 45	1.780 45.20	0.591 15	3095 3100	690 890	S S	2.240 4.750	3.190 6.186	3.194 6.192	0.450 1.250
♦2025	320	V	1.654 42	2.362 60	2.373 60.27	0.276 7	3103→ 3116←	690 710	S N	2.188 1.375	3.188 2.374	3.199 2.378	0.618 0.500
♦2027	350	S	0.591	0.945	0.953	0.276	3116N←	710	Ν	1.375	2.374	2.378	0.500
$2043 \mathbf{\rightarrow}$	470	S	15 1.940	24 2.762	24.20 2.768	7 0.500	3136N 3143N	470 740	N N	2.500 3.000	4.938 5.500	4.943 5.506	0.500 0.531
2055 2064	470 330	S S	3.468 1.000	4.626 1.375	4.631 1.381	0.625 0.189							
							3173↔ 3186	480	N S	1.937 1.875	2.686 3.150	2.697 3.146	0.311 0.930
2081↔	410	S	2.844	3.938	3.945	0.500	3195	590	S	1.875	3.150	3.146	0.930
2146 <i>↔</i> 2194 <i>←</i>	# 880	S N	1.687 1.500	2.557 2.372	2.568 2.376	0.464 0.420	3199 3199S	480 480	S S	1.250 1.250	1.955 1.955	1.960 1.960	0.256 0.256
2207	2900	S	1.815	2.562	2.566	0.562		700		1.200	1.000	1.500	0.200
2218	470	Н	3.750	4.751	4.756	0.500	3210	490	S	2.437	3.624	3.628	0.375
2222	2860	S	2.750	3.772	3.779	0.311	3214↔ 3227→	480 830	S N	1.365 1.748	1.955 2.623	1.961 2.629	0.438 0.313
2260	480	V	3.125	3.936	3.943	0.512	3292	890	S	5.375	6.875	6.882	1.000

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
3341	1000	Н	4.812	5.544	5.552	0.535	3783	650	Н	2.875	3.623	3.628	0.500
3348	470	S	1.299	2.044	2.050	0.490	3783H	650	Н	2.875	3.623	3.628	0.500
♦3357	2830	S	1.496	2.047	2.053	0.236	3794	490	S	2.010	2.650	2.655	0.363
3385	740	S	38 3.180	52 4.180	52.15 4.185	6 0.750	3807	640	Н	6.328	7.329	7.336	0.500
♦3392	470	S	1.575	2.165	2.172	0.730	3813 •3816	640 2710	H S	2.625 0.709	3.695 1.181	3.700 1.185	0.500 0.264
			40	55	55.17	8	1 40010	2710	O	18	30	30.10	6.70
3393←	320	V	2.375	3.002	3.013	0.437							
3395↔	470	S	1.437	2.062	2.068	0.311	3893V 3894V	450 480	V V	3.750 2.500	4.750 3.499	4.756 3.505	0.500 0.500
3404	750 740	Н	1.996	2.743	2.751	0.325	3896→	760	S	1.941	2.909	2.915	0.370
♦3459↔	740	N	1.575 40	2.283 58	2.290 58.17	0.354 9	3905 ◆3907	760 570	N N	3.000 1.181	4.938 2.283	4.943 2.287	0.740 0.374
♦3459S ↔	740	Ν	1.575 40	2.283 58	2.290 58.17	0.354	₩3907	370	IN	30	58	58.09	9.50
♦3476→	320	Ν	1.260	1.850	1.859	0.315	2000 /	250	\/	0.005	4.040	4.051	0.000
			32	47	47.22	8	3909 <i>←</i> 3942	350 2840	V S	3.625 2.500	4.240 3.226	4.251 3.231	0.390 0.190
•2476C \	220	NI	1 060	1 050	1 050	0.215	3945	480	Ň	2.328	3.000	3.006	0.375
•3476S→	320	N	1.260 32	1.850 47	1.859 47.22	0.315 8	3946	860	S	2.328	3.000	3.006	0.375
3492V	480	V	5.000	5.751	5.756	0.500	4019N	470	N	2.432	3.070	3.075	0.227
3543	570	Н	1.378	2.162	2.167	0.575							
3553 3583	2840 830	S H	2.201 1.748	2.735 3.229	2.741 3.236	0.197 0.335	4040R←	#	N	1.378	2.097	2.105	0.305
3303	000	- ' '	1.740	0.229	0.200	0.000	◆4052R↔	#	N	1.378 35	2.047 52	2.052 52.13	0.315 8
3583S	830	Н	1.748	3.229	3.236	0.335	4072 →	830	Ν	1.787	3.229	3.240	0.335
3591	900	N	2.750	5.501	5.506	1.266	4072N→	830	N	1.787	3.229	3.240	0.335
3592	900	N	3.000	5.501	5.506	1.266	4099	2870	S	1.673	2.162	2.168	0.285
$\textbf{3604} {\rightarrow}$	860	V	1.812	2.777	2.781	0.575							
3606	70S	N	1.850	69.000	2.717	0.398	4122	470	S	2.881	3.429	3.436	0.291
							4131 4141	2870 #	S N	2.312 1.574	3.000 2.676	3.004 2.683	0.375 0.500
3618	860	S	1.812	2.623	2.627	0.455	4143	#	N	1.625	2.415	2.440	0.500
3622 3622S	740 740	S S	1.654	2.518	2.525	0.394	4148	2860	S	2.000	2.623	2.629	0.260
36225 3638→	740 480	N	1.654 1.125	2.518 1.624	2.525 1.628	0.394 0.190							
◆3655→	320	N	1.378	2.047	2.058	0.315	4160	2810	S	2.420	3.000	3.006	0.394
			35	52	52.27	8	♦4175	#	S	1.575	2.047	2.055	0.354
							41000	750	Н	40	52	52.20	9
♦3655S→	320	Ν	1.378	2.047	2.058	0.315	4189H 4244	750 720	S	1.996 1.552	3.111 2.750	3.120 2.755	0.344 0.590
3667	2710	9	35 0.690	52 0.997	52.27	8 0.295	4249	2870	S	1.809	2.361	2.366	0.370
3677	2870	S	1.500	1.989	1.003 1.995	0.250							
3698←	320	H	2.988	3.740	3.751	0.315	4250↔	740	S	2.500	3.297	3.304	0.327
3698	320	Н	2.988	3.740	3.751	0.315	4278	860	V	1.812	3.091	3.097	0.485
							4291V	#	V	4.375	5.375	5.425	0.500
3700	860	S	1.812	3.000	3.005	0.500	♦4307V←	320	V	2.992	3.622	3.633	0.394
♦3723	660	S	2.165	2.756	2.761	0.354	4333N	790	Ν	76 1.886	92 2.699	92.28 2.704	10 0.350
3732S	480	S	55 1.062	70 1.575	70.13 1.581	9 0.250			. 1		2.500	2 0	0.000
•37325 •3743	660	S	1.969	2.559	2.565	0.250	4353	#	V	7.375	9.615	9.622	0.979
			50	65	65.15	9	4353V	#	V	7.375	9.615	9.622	0.979
3747↔	690	S	1.705	3.084	3.090	0.461	4359V←	320	V	3.740	4.525	4.536	0.492
							4370N←	880	N	1.503	2.376	2.383	0.420
♦3771 →	350	Н	1.378	1.969	1.980	0.276	4458V	#	V	0.984	1.499	1.504	0.250
♦3772 ←	350	Н	35 3.465	50 4.252	50.29 4.263	7 0.433							
₹ 0112.\	550	11	3.465 88	108	108.28	11	4503N↔	790	N	1.886	2.750	2.765	1.375
•3774S→	350	Н	1.654	2.205	2.218	0.276	4525V	720 660	V	2.500	4.035	4.040	0.634
♦3774 →	250	Ц	42 1 654	56 2.205	56.34	7 0.276	♦4528N	660	N	1.890 48	2.559 65	2.565 65.15	0.965 24.50
	350	Н	1.654	2.205	2.218	0.276	4529N→	680	Ν	1.375	2.047	2.052	0.330

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
4530←	960	N	1.502	2.126	2.132	0.492	5121	2810	S	1.938	2.622	2.628	0.266
4532N	930	N	1.375	3.542	3.549	0.397	5123	2800	S	2.560	3.090	3.095	0.256
4539H	750	Н	2.367	3.366	3.374	0.257	5124	480	S	1.328	2.227	2.233	0.313
$ \begin{array}{l} \textbf{4543V} \rightarrow \\ \textbf{4544V} \rightarrow \end{array} $	#	V V	3.250 3.253	4.249 5.500	4.260 5.511	0.662 0.630	5126→ 5128N	740 320	S N	1.875 3.375	2.813 3.948	2.817 3.955	0.500 0.375
4544V → 4561V←	# #	V	2.503	3.428	3.239	0.709	5126N 5131	320 #	S	1.318	2.280	2.285	0.375
4562V→	#	V	3.003	4.937	4.948	0.662	5133	480	٧	1.812	2.562	2.566	0.312
4563V 4564V	# #	V V	2.938 2.748	3.937 3.876	3.947 3.886	0.552 0.552	5210 5711	350 410	N S	1.299 1.750	3.539 2.983	3.528 2.987	1.575 0.438
4583←	860	Ň	1.502	2.377	2.381	0.500	5711S	410	Š	1.750	2.983	2.987	0.438
4598→	830	N	1.998	2.878	2.882	0.340	5727	2050	F	1.625	2.722	2.727	0.406
4613N↔ 4614N↔	570 570	N N	1.377 1.377	2.874 2.162	2.881 2.167	0.693 0.744	5751 5751S	340 340	S S	3.125 3.125	4.562 4.562	4.567 4.567	1.198 1.198
4615V→	830	V	1.654	2.638	2.643	0.744	5756	290	F	2.062	3.151	3.156	0.240
4624V	860	V	2.503	3.629	3.633	0.900	5778	720	Ν	1.552	3.160	3.167	0.608
4674N↔	#	N	1.605	2.795	2.804	0.364	5778V	720	V	1.552	3.160	3.167	0.608
4701	490	N	0.408	1.004	1.008	0.208	5796	2010	s	1.562	2.686	2.690	0.375
4701N	490	N	0.408	1.004	1.008	0.208	5797	#	S	2.031	-	4.156	0.781
4739 4740	2820 2820	S S	2.000 2.180	2.562 2.999	2.568 3.003	0.224 0.250	5857 5865	290 40S	F S	1.000 2.000	1.499 2.750	1.503 2.754	0.312 0.187
4741 <i>←</i>	#	N	2.200	3.022	3.028	0.422	5872S	450	S	1.375	2.000	2.006	0.311
4762N↔	740	NI	1.618	2.841	2.847	0.500	E077	500	-	2.062	2.842	2.846	0.450
4763S	/40 #	N S	1.625	2.562	2.566	0.500	5877 5924	50S 40S	S S	2.062	3.313	3.318	0.450
4764←	860	Ň	1.598	2.476	2.483	0.420	5965	80S	Š	3.500	4.437	4.437	0.437
4795V↔	740	V	1.391	2.482	2.488	0.344	5976S	340	S	0.875	1.245	1.256	0.187
4810V→	#	V	3.003	3.751	3.761	0.570	6064	290	F	1.875	2.965	2.971	0.234
4813V→	860	V	1.178	2.447	2.452	0.500	6074	290	F	1.937	3.622	3.627	0.375
4857 <i>↔</i> 4874N	860 #	V N	1.400 2.748	2.282 3.543	2.293 3.555	0.394 0.591	6077 6090S	# 2730	S S	2.062 2.000	2.630	4.735 2.750	0.468 0.562
4875N→	#	N	3.250	4.249	4.282	0.650	6101	290	F	1.718	2.996	3.000	0.375
4876N→	#	N	2.748	5.500	5.512	0.850	6127	310	S	1.875	4.010	4.014	1.000
♦ 4898	660	S	2.047	2.598	2.603	0.295	6163S	210	S	2.000	2.875	2.879	0.703
♦4899	660	S	52 2.205	66 2.953	66.12 2.958	7.50 0.260	6186 6200	10S 90S	S S	2.187 1.375	3.189 2.250	3.194 2.252	0.718 1.062
♦ 4901	400	Ν	56 1.378	75 2.441	75.13 2.452	6.60 0.354	6270 6283S	210 260	S S	3.937 1.610	5.371 2.500	5.377 2.531	0.906 0.300
♦4904	660	S	35 1.929	62 2.441	62.28 2.447	9 0.335							
4934	790	Ν	49 1.503	62 2.374	62.15 2.379	8.50 0.374	6312 6329S	80S 70S	S S	1.500 4.687	2.187 5.751	2.187 5.756	0.500 0.750
							6336S	260	S	1.562	2.684	2.701	0.250
4941V	#	V	1.552	3.160	3.165	0.608	6357S 6358	920 470	S S	0.796 3.187	1.499 4.650	1.503 4.625	0.625 0.442
4950	880	N	1.748	2.619	2.627	0.330	0330	470	3	3.107	4.030	4.023	0.442
♦4989	#	S	1.437	2.441	2.451 62.26	0.374 9.50	6370N	330	N	1.299	1.828	1.832	0.375
♦4990	2810	S	2.047 52	2.677 68	2.688 68.28	0.299 7.60	6380	290	F	2.125	3.436	3.440	0.625
5070	290	F	1.813	2.965	2.969	0.250	6380S 6389	290 290	F F	2.125 2.125	3.436 3.126	3.440 3.131	0.625 0.484
5109	#	S	2.497	3.245	3.248	0.485	6426	40S	S	1.500	2.502	2.506	0.375
5113	2030	S	2.000	2.745	2.751	0.230	6460S	410	S	1.875	2.758	2.762	0.500
5115 5119	470 490	S S	1.500 2.375	2.250 3.265	2.256 3.270	0.311 0.495	6481S	510	Š	3.125	7.000	8.250	1.003
3113	430	3	۵.073	0.200	0.270	0.430	6522S	340	S	0.984	1.500	1.508	0.410
							6545	210	F	1.500	2.062	2.066	0.250

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
6547	2010	S	1.875	2.996	3.001	0.375	7105S	#	S	1.875	3.375	4.812	0.312
6565N 6575S 6584S 6590S 6597S	410 2000 740 2040 340	N S S S S	4.125 2.474 3.250 2.093 1.375	4.999 3.543 4.500 2.716 1.829	5.004 3.548 4.507 2.721 1.837	0.468 0.285 0.718 0.406 0.187	7131 7154S 7186S 7188S 7208S	# 2000 330 2000E	S S S S S	8.000 2.531 1.812 0.625 3.250	11.624 4.540 2.718 0.999 4.500	11.632 6.125 2.722 1.005 4.600	0.750 0.500 0.270 0.252 0.315
6612S 6626 6626S 6635S 6636S	# 440 40S 450 350	S S S S S	3.500 2.125 2.125 4.375 2.187	5.250 2.875 2.875 6.064 3.187	5.258 2.881 2.881 6.071 3.194	0.562 0.252 0.252 0.625 0.687	7214 7235S 7245 7300S 7338N	490 320 40S 790 560	S S S N N	0.750 1.473 1.375 1.685 3.000	1.031 1.971 2.502 2.500 3.686	1.035 1.979 2.506 2.506 3.702	0.313 0.562 0.250 1.535 0.523
6643S 6644 6649 6663S 6668S	520 50S 520 890 330	S S S S S	2.750 3.125 3.125 4.750 1.375	4.562 - 6.618 1.875	6.200 4.567 8.250 6.625 1.878	0.700 0.760 0.571 1.141 0.187	7354N 7378 7381S 7399S 7412S	80S 50S 240 240 480	N S S S S	4.375 5.062 1.687 0.625 1.250	5.373 6.994 2.684 0.937 1.752	5.500 7.004 2.706 0.945 1.758	0.570 1.312 0.250 0.187 0.252
6703S 6704 6712NA 6759S 6760S	350 10S 740 10S 350	S S N S S	1.750 1.125 1.875 1.500 1.375	2.250 1.874 2.760 1.997 2.062	2.258 1.878 2.766 2.001 2.073	0.187 0.625 0.402 0.531 0.375	7457N→ 7486S 7512SSO 7537S 7568	10S 350 510 240 #	N S S S H	1.656 1.750 2.500 1.500 2.222	2.623 2.374 4.500 2.062 3.543	2.627 2.380 6.125 2.068 3.548	0.455 0.311 0.400 0.219 0.760
6780S 6781 6785 6808 6815	210 2010 350 45 2860	S S F N S	2.875 1.796 2.480 1.875 1.940	4.125 2.725 3.310 3.160 2.500	4.130 2.730 3.316 3.165 2.502	0.812 0.500 0.500 0.562 0.250	7581H 7600S 7607 7686S 7687S	480 470 2810 250 470	H S F S S	2.500 1.825 1.730 1.250 1.375	3.499 2.750 2.336 2.250 2.500	3.506 2.754 2.342 2.254 2.506	0.500 0.468 0.250 0.435 0.313
6818 6832S 6835S 6840S 6847S	710 2040 330 40S #	S S S S S	1.740 1.125 0.750 1.730 1.000	3.000 1.935 1.250 2.336 1.250	3.008 1.942 1.256 2.342 1.254	0.500 0.625 0.250 0.250 0.536	7692S← 7700S 7715S 7750 7751H	790 210 # 480 330	S S S S H	1.500 4.625 1.372 0.750 1.968	2.372 6.622 2.250 1.125 2.686	2.378 6.629 2.515 1.131 2.690	0.813 1.093 1.197 0.189 0.370
6863S 6864S 6872S 6873S 6906S	350 450 470 430 2040	S S S S S	0.437 4.050 5.500 5.500 1.250	1.000 5.501 6.312 6.500 1.968	1.009 5.506 6.316 6.505 1.972	0.250 0.671 1.250 1.125 0.468	7780 7780N 7781S 7790H 7834	40S 40S 2030 # #	SSSHS	2.667 2.667 1.250 2.125 1.750	3.751 3.751 1.983 3.193 2.502	3.756 3.756 1.989 3.198 2.506	0.500 0.500 0.251 0.812 0.680
6930 6936S 6949S 6954S 6960	210 450 2740 440 40S	88888	1.812 1.766 1.750 2.062 1.830	4.123 2.412 2.875 3.000 2.570	4.128 2.423 2.880 3.006 2.574	0.531 0.374 0.500 0.313 0.250	7840S 7866S 7886S 7896S 7929S	310 750 480 510 330	88888	0.875 4.875 1.500 3.110 0.750	1.250 6.375 2.437 - 1.063	1.256 6.625 2.441 5.750 1.067	0.181 0.500 0.250 0.375 0.187
6985 6988H 7006S 7013S 7014S	290 330 430 250 40S	F H S S	1.875 1.937 5.500 0.750 0.875	2.628 2.686 6.997 1.311 1.255	2.633 2.690 7.004 1.317 1.261	0.347 0.500 1.250 0.311 0.181	7934S 7937N 7941 7994S 8059S	2040 410 440 440 250	SNSSS	1.875 2.250 1.125 1.563 0.968	2.397 3.061 1.561 2.062 1.686	2.408 3.066 1.567 2.068 1.690	0.250 0.500 0.250 0.203 0.312
7022S 7028 7038SA← 7044NA	2760 250 410 860	S S S	1.688 0.750 1.687 1.812	2.328 1.375 2.502 3.000	2.334 1.381 2.508 3.006	0.281 0.252 0.582 0.374	8121S 8126S 8133S 8139	250 890 480 #	N S F	1.730 5.000 1.362 2.000	2.336 6.622 2.191 2.961	2.342 6.629 2.197 2.971	0.470 0.906 0.252 0.250

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
8160S	320	S	1.562	2.441	2.445	0.500	9049	250	S	1.880	2.562	2.566	0.250
8165 8181NA↔ 8243 8293S 8312	# 740 # 480 2720	H S F S S	1.875 1.813 2.125 1.238 2.136	3.000 2.623 3.146 2.250 2.902	3.005 2.629 3.153 2.254 2.909	0.625 0.433 0.500 0.500 0.310	9049N 9113N 9128S 9150S 9178S	250 470 450 250 40S	S V S S S	1.880 3.000 4.166 1.938 1.687	2.562 3.751 5.501 2.578 2.605	2.566 5.509 2.583 2.609	0.250 0.375 0.610 0.294 0.235
8312S 8314 8314S 8316→ 8316N	2720 # # 320 320	S S N N	2.136 1.796 1.796 2.008 2.008	2.902 2.524 2.524 2.756 2.756	2.909 2.800 2.800 2.767 2.767	0.310 0.599 0.599 0.433 0.433	9316 9339S 9342S 9344S 9363S	720 2780 480 540 410	N S S S S	1.875 3.500 1.417 1.375 1.500	3.160 4.450 2.614 - 2.260	3.165 4.455 2.629 4.582 2.264	0.672 0.525 0.500 0.259 0.405
8362 8370S 8421S 8429S 8430S	330 40S 330 # 490	S S S S S	1.875 3.797 1.563 1.247 2.125	2.315 4.501 2.063 - 3.000	2.316 4.506 2.069 2.633 3.006	0.203 0.250 0.250 0.480 0.313	9406S 9449 9487 9555S 9568	2790 740 680 410 480	S S S S S	2.000 1.885 1.187 9.500 1.365	2.625 2.700 1.716 12.499 2.374	2.631 2.706 1.720 12.509 2.380	0.219 0.551 0.248 0.687 0.435
8460N 8516N 8521S 8549S 8594S	740 470 2000E # 620	N N S S	1.739 1.687 1.873 1.372 1.350	2.812 2.623 2.684 4.560 2.571	2.818 2.629 2.684 4.567 2.577	0.594 0.437 0.544 0.480 0.539	9569S 9584 9599S→ 9600S 9613S←	990 740 470 # 710	S S S S S	1.365 3.562 2.125 3.125 1.502	2.260 4.755 2.879 5.985 2.378	2.266 4.761 2.885 6.000 2.384	0.313 0.550 0.500 0.955 0.469
8597S 8609 8610→ 8611N 8620N	480 470 740 740 470	S S S S N	1.491 0.812 1.524 1.521 1.645	2.191 1.250 2.656 2.656 2.656	2.197 1.254 2.662 2.662 2.660	0.250 0.254 0.391 0.424 0.406	9773 9773R 9845→ 9864S↔ 9912	740 740 470 570 250	N N V S S	2.625 2.625 1.766 2.875 1.875	4.564 4.564 2.412 3.875 2.877	4.568 4.568 2.418 3.882 2.864	0.718 0.718 0.375 0.413 0.470
8622 8635S 8650S 8660S↔ 8676S	# 210 10S 480 540	S S S S S	1.940 5.500 2.125 1.399 1.375	2.813 7.624 2.996 2.292	2.817 7.631 3.001 2.298 4.582	0.428 1.250 0.687 0.500 0.259	9912S 9943 9946N 10059S 10543S	250 # # 470 10S	S S N S S	1.875 2.562 2.500 1.500 2.000	2.877 3.727 3.125 2.374 2.716	2.864 3.777 3.130 - 2.720	0.470 0.490 0.547 0.313 0.593
8695L 8695S 8704S↔ 8705S 8724S	50S 470 330 2770 410	S S S S S	1.550 1.550 1.893 1.730 7.995	2.669 2.669 2.434 2.401 11.625	2.675 2.675 2.440 2.407 11.633	0.500 0.500 0.250 0.236 1.078	10684S 15003S 15305S 15379S 30308	10S 410 10S 10S 30S	S S S S S	1.562 2.625 3.500 3.750 2.125	2.441 3.623 4.501 4.751 3.061	2.445 3.628 4.506 4.756 3.066	0.781 0.438 0.875 0.875 0.687
8750 8750S 8773S→ 8792S 8835S↔	330 330 250 310 330	S S S S	0.762 0.762 0.687 0.500 1.618	1.160 1.160 1.250 0.750 2.575	1.164 1.164 1.254 0.756 2.581	0.250 0.250 0.250 0.126 0.489	30365 30737 35012N 35949N 37586	30S 410 430 410 #	S S N N T	2.125 2.250 2.937 2.938 6.496	2.875 3.189 4.003 3.938 7.632	2.879 3.149 4.008 3.945 7.638	0.625 0.437 0.625 0.500 0.497
8871 8907 8935S 8940S 8974S	2860 # 790 480 490	S S S S S	2.000 5.937 1.558 1.523 2.180	2.562 6.801 2.250 2.714 3.000	2.568 0.000 2.254 2.720 3.006	0.224 1.125 1.520 0.500 0.500	37921 37939 38832 39044← 39140	TPDW TPDW 940 900 940		4.125 4.000 0.875 6.238 1.375	4.999 4.999 1.375 8.654 2.125	5.005 5.005 1.379 8.661 2.129	1.037 0.500 0.312 0.560 0.375
8975S 8976S 8998 9015S	490 490 440 440	S S S	2.512 3.125 1.996 2.000	3.506 4.175 2.000 2.565	3.519 4.186 2.878 2.571	0.290 0.295 0.250 0.500	39302 39608 39701 39703	TW-H TDW-H TFW-H TFW-H	ł T	2.125 3.750 7.250 3.625	3.189 4.750 8.125 4.751	3.194 4.756 8.133 4.756	0.437 0.500 0.500 0.500

Part Number	Style Ma	tl Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
39705	TFW-H T	3.750	4.750	4.756	0.500	39910	TW	Т	1.000	1.437	1.441	0.250
39711	TFW-H T		2.125	2.129	0.375	39920	TFW-H		1.562	2.062	2.067	0.188
39713 39715	TDW-H T # T		1.812 7.475	1.817 7.481	0.235 0.590	39925 39926	TFW-H TW-H	T T	1.781 3.740	2.500 6.772	2.505 6.775	0.312 1.102
39717	# T		3.189	3.194	0.437	39930	TFW-H		1.812	2.562	2.567	0.315
39719	# T		3.189	3.194	0.437	39952	TFW-H		4.646	5.751	5.756	0.500
39723	TFW-H T		5.000	5.005	0.500	39954	TDW-H		4.835	5.749	5.756	0.375
39732 39801	TW-H T TFW-H T		6.000 6.000	6.006 6.006	0.562 0.413	39956 39958	TDW-H TFW-H	T T	5.997 5.000	7.125 6.125	7.131 6.131	0.500 0.500
39802	TFW-H T		3.623	3.628	0.500	40027S	40S	s	0.750	1.375	1.379	0.250
39803	TFW-H T		3.130	3.135	0.315	40059S	40S	S	0.875	1.499	1.505	0.252
39804	TFW-H T		3.661	3.666	0.315	40063S	40S	S	1.500	2.438	2.444	0.250
39805	TFW-H T		5.906	5.923	0.583	40071S	40S	S	1.875	2.623	2.627	0.250
39806→ 39807	TFW-H T TW-H T		5.906 6.750	5.923 6.756	0.571 0.437	40085S 40094S	40S 40S	S S	2.000 1.937	2.996 3.189	3.002 3.194	0.250 0.250
39809	TW-H T		4.125	4.130	0.437	40101S	40S	S	2.375	3.350	3.355	0.250
39813	TW-H T		4.751	4.756	0.500	40140S	40S	S	1.250	1.752	1.756	0.250
39815	TDW-H T		8.125	8.132	0.940	40154S	40S	S	1.687	2.502	2.506	0.250
39817 39821	TFW-H T		4.126 2.654	4.130 2.661	0.437 0.250	40157S 40160S	40S 40S	S S	1.000 1.125	2.000 2.000	2.011 2.004	0.252 0.250
39823	TDW-H T		6.750	6.757	0.625	40162S	40S	S	1.187	2.000	2.004	0.250
39825	TFW-H T	4.750	6.000	6.006	0.562	40169S	40S	S	1.375	2.250	2.254	0.250
39827	TDW-H T		6.000	6.006	0.562	40185	40S	S	1.562	2.502	2.506	0.250
39835 39837	TW T		2.563 4.750	2.567 4.756	0.375 0.500	40208 40230S	40S 40S	S S	0.968 1.000	1.499 1.752	1.503 1.756	0.250 0.250
39849	TFW-H T		5.501	5.506	0.500	40286	40S	S	1.625	2.750	2.754	0.250
39851	TFW-H T		2.875	2.879	0.437	40301S	40S	S	2.000	3.000	3.005	0.250
39853	TFW-H T		2.875	2.879	0.437	40316S	40S	S	2.250	3.251	3.258	0.251
39861 39865	# T # T		9.600 6.215	9.606 6.220	0.540 0.562	40337S 40360S	40S 40S	S S	2.500 2.000	3.148 2.686	3.154 2.690	0.250 0.250
39867	TW-H T		1.614	1.618	0.315	40370S	40S	S	1.968	2.960	2.964	0.250
39869	# T		1.614	1.618	0.315	40375←	320	Т	3.228	3.791	3.802	0.315
39875	# T		2.126	2.130	0.984	40382	40S	S	1.500	1.983	1.987	0.250
39877 39879	TW2 T		2.563 1.779	2.567 1.784	0.315 0.256	40389S 40392	40S TFW-H	S T	2.000 2.756	2.750 4.000	2.756 4.009	0.252 0.469
39880	940 T		5.999	6.006	0.413	40395	40S	Ś	1.375	1.874	1.879	0.250
39881	TFW-H T	4.993	6.000	6.006	0.413	40395S	40S	S	1.375	1.874	1.879	0.250
39882	TFW-H T		4.625	4.630	0.400	40401	40S	S	2.000	2.501	2.506	0.250
39883 39885	900 T TFW-H T		8.655 7.328	8.661 7.336	1.100 0.354	40410S 40433S	40S 40S	S S	2.000 2.250	2.624 3.125	2.630 3.130	0.250 0.250
39886	TDW-H T		7.329	7.336	0.334	404335 40438S	40S	S	1.562	2.374	2.378	0.250
39887	TFW-H T	6.204	7.330	7.336	0.445	40468	40S	S	1.484	2.254	2.258	0.250
39888	TFW-H T		7.328	7.336	0.445	40494S	40S	S	1.750	2.501	2.507	0.251
39889	TW-H T		7.328	7.336	0.445	40520S	40S	S	2.250	3.000	3.006	0.250
39890 39893	TW-H T TFW-H T		7.328 10.709	7.336 10.720	0.445 0.625	40522S 40555	40S 40S	S S	1.375 2.500	2.000 3.000	2.004 3.005	0.250 0.250
39894	TFW-H T	9.052	10.709	10.720	0.625	40555S	40S	S	2.500	3.000	3.005	0.250
39899	# T	11.220	12.250	12.260	0.945	40566S	40S	S	2.125	2.875	2.881	0.252
39900	# T			12.260	0.945	40568S	40S	S	1.625	2.625	2.629	0.250
39904	TFF T	1.312	1.828	1.833	0.250	40576S	40S	S	1.187	1.996	2.000	0.250

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
40652S	40S	S	1.250	2.000	2.011	0.250	45637S	40S	S	4.687	6.002	6.007	0.250
40769S 40973S 41013S 41026S 41075S	40S 40S 40S 40S 40S	S S S S S	1.313 2.093 2.093 2.375 2.250	2.282 3.150 2.750 3.000 3.443	2.286 3.156 2.754 3.005 3.447	0.250 0.250 0.250 0.250 0.250	45653S 45825S 45827S 46997S 47150S	40S 40S 40S 40S 40S	S S S S S	1.937 3.125 2.750 2.750 4.250	3.500 3.751 3.501 3.751 5.251	3.505 3.756 3.505 3.756 5.259	0.250 0.250 0.250 0.250 0.251
41163T→ 41224S 41257 41264S 41267S	TFW-H 40S 40S 40S 40S	I T S S S	2.625 1.000 1.500 0.625 0.875	3.696 1.499 1.989 1.250 1.375	3.700 1.503 1.993 1.254 1.381	0.500 0.250 0.250 0.250 0.250	477055\$ 50027\$ 50081 50126 50151\$	47 450 50S 50S 50S	\$ \$ \$ \$ \$	3.330 0.750 1.718 1.406 1.125	4.125 1.375 2.875 2.125 1.563	4.130 1.379 2.879 2.129 1.569	0.562 0.406 0.468 0.437 0.252
41389S 41442S 41466S 41509 41510	40S 40S 40S TPDW TPDW		0.750 0.498 0.625 6.500 6.500	1.250 0.998 1.124 8.000 8.000	1.254 1.007 1.133 8.007 8.007	0.250 0.251 0.250 0.625 0.625	50197S 50199S 50209 50266 50289	50S 50S 50S 50S 50S	S S S S S	0.375 0.437 1.031 1.781 1.750	0.999 0.999 1.499 2.623 2.783	1.005 1.005 1.503 2.627 2.787	0.313 0.250 0.390 0.500 0.531
41526S 41536 41537 417698S 41787S	40S TPDW TPDW 41 40S		0.500 2.875 2.875 3.625 1.250	1.124 3.750 3.750 4.376 2.062	1.128 3.755 3.755 4.381 2.066	0.250 0.500 0.500 0.375 0.250	50327 50385 50385S 50395S 50402	50S 50S 50S 50S 50S	S H S S S	1.718 0.375 0.375 1.374 1.375	2.437 0.750 0.750 1.874 2.282	2.441 0.756 0.756 1.880 2.286	0.468 0.252 0.252 0.251 0.500
42081S 42101S 42260S 42280S 42311S	40S 40S 40S 40S 40S	S S S S S	1.250 2.129 1.500 0.875 1.000	2.250 2.891 1.938 1.250 1.438	2.256 2.895 1.942 1.254 1.444	0.250 0.250 0.250 0.250 0.250	50445 50468 50470S 50480S 50528	50S 50S 50S 450 50S	S S S S	0.312 1.484 0.437 1.375 1.968	1.250 2.254 0.875 - 2.996	1.254 2.258 0.881 3.001	0.375 0.312 0.252 0.375 0.500
42352S 42421S 42763 43034S 43071S	40S 40S 40S 40S 40S	S S S S S	1.750 1.875 1.375 2.250 1.750	2.250 2.750 2.282 2.875 2.438	2.254 2.754 2.286 2.879 2.444	0.250 0.250 0.250 0.250 0.251	50560 50568 50569 50631 50737	50S 50S 50S 50S 50S	S T T S S	2.468 1.625 1.625 2.218 2.250	3.350 2.625 2.625 3.350 3.189	3.355 2.629 2.629 3.355 3.194	0.468 0.500 0.500 0.468 0.437
43072S 43073S 43074S 43076S 43077S	40S 40S 40S 40S 40S	S S S S S	1.125 2.000 1.578 1.187 2.625	1.564 2.717 2.000 2.047 3.484	1.568 2.721 2.004 2.051 3.489	0.250 0.250 0.250 0.250 0.250	51032\$ 51083 51098 51322 55010	50S 50S 480 50S 410	S S S S S	1.281 1.750 1.500 1.365 2.812	1.752 2.750 2.502 2.081 3.876	1.756 2.756 2.508 2.087 3.881	0.375 0.500 0.311 0.435 0.437
43078S 43080S 43086S 43089S 43095S	40S 40S 40S 40S 40S	S S S S S	1.500 0.500 2.875 1.375 0.500	2.192 0.875 4.003 2.374 0.749	2.196 0.879 4.008 2.378 0.753	0.250 0.218 0.250 0.250 0.093	55028 55030 55078S 55103S 55238	50S 50S 50S 450 50S	S S S S S	3.562 3.687 9.750 16.250 2.750	4.999 4.999 11.250 18.000 4.999	5.004 5.004 11.260 18.010 5.004	0.468 0.468 0.750 0.750 0.468
43109S 43290S 44052 44053 45013S	40S 40S 40S 40S 40S	S S S S S	2.312 2.500 2.250 1.821 3.000	3.065 3.125 3.310 2.623 4.003	3.070 3.130 3.317 2.627 4.008	0.281 0.250 0.375 0.250 0.250	55249 55301S 55337 55353 55357	450 450 50S 50S 50S	S S S S S	3.375 9.000 2.250 3.625 5.437	4.688 10.000 3.876 4.839 6.749	4.693 10.010 3.881 4.844 6.757	0.500 0.750 0.468 0.500 0.625
45031S 45187S 45525S 455958S	40S 40S 40S 450	S S S S	3.750 4.000 3.500 3.875	4.999 4.876 4.125 5.375	5.004 4.881 4.130 5.383	0.250 0.250 0.250 0.438	55419 55524 55547 55548	50S 50S 450 50S	S S S	3.437 2.000 3.875 3.000	4.501 4.003 5.126 4.626	4.506 4.008 5.131 4.631	0.625 0.468 0.625 0.500

	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
55563	50S	Т	3.250	4.003	4.008	0.468	◆112207XX	350	S	0.433 11	0.866 22	0.877 22.28	0.276 7
55581	450	S	3.880	5.690	5.695	0.500		250		0.422	1 004	1 005	0.076
57831 ♦61607XX	50S 350	S S	4.062 0.236	6.191 0.63	6.197 0.641	0.625 0.276	◆112607XX	350	S	0.433	1.024	1.035	0.276
♦62207XX	350	S	6 0.236	16 0.866	16.28 0.877	7 0.276	♦121905XX	320	S	0.472 12	0.748 19	0.756 19.20	0.197 5
			6	22	22.28	7	♦122005XX	320	S	0.472 12	0.787 20	0.798 20.28	0.197 5
♦71607XX	320	S	0.276 7	0.63 16	0.641 16.28	0.276 7	♦122207XX	350	S	0.472	0.866	0.876 22.25	0.276
♦72207XX	350	S	0.276	0.866	0.877	0.276	♦122407XX	320	S	0.472	0.945	0.954 24.23	0.276 7
			7	22	22.28	7				12		24.20	
75251S 80313	70S 2000E	S	4.820 2.062	5.751 3.250	5.756 3.310	0.750 0.500	♦122507XX	480	S	0.472	0.984	0.994	0.276
80330 ♦81404XX	80S 350	S S	2.500 0.315	3.371 0.551	3.435 0.559	0.500 0.157	◆122607XX	320	S	12 0.472	25 1.024	25.25 1.031	7 0.276
¥01404XX	000	J	8	14	14.20	4	♦122807XX	350	S	12 0.472	26 1.102	26.20 1.11	7 0.276
• 01 C07VV	050		0.015	0.00	0.000	0.070	♦123007XX	350	S	12 0.472	28 1.181	28.20 1.189	7 0.276
♦81607XX	350	S	0.315	0.63	0.639 16.23	0.276				12	30	30.20	7
♦81805XX	350	S	0.315 8	0.709 18	0.717 18.20	0.197 5	♦123207XX	350	S	0.472 12	1.26 32	1.268 32.20	0.276 7
♦81807XX	320	S	0.315	0.709 18	0.717 18.20	0.276 7	400505707			0.470	4.070	4.000	0.070
♦82207XX	320	S	0.315	0.866	0.877	0.276	◆123507XX	320	S	0.472 12	1.378 35	1.386 35.20	0.276 7
♦82207XX	320	S	0.315	0.866	0.874	0.276	◆132206XX	320	S	0.512 13	0.866 22	0.874 22.20	0.236 6
			8	22	22.20	7	♦132607XX	320	S	0.512 13	1.024 26	1.031 26.20	0.276 7
♦82407XX	350	S	0.315	0.945	0.956	0.276	◆132807XX	320	S	0.512	1.102 28	1.11	0.276 7
♦91807XX	350	S	8 0.354	24 0.709	24.28 0.717	7 0.276	♦133007XX	320	S	0.512	1.181	1.189	0.276
♦92207XX	350	S	9 0.354	18 0.866	18.20 0.874	7 0.276				13	30	30.20	7
♦92407XX	350	S	9 0.354	22 0.945	22.20 0.956	7 0.276	♦142407XX	350	S	0.551 14	0.945 24	0.954	0.276
♦92607XX	350	S	9 0.354	24 1.024	24.28 1.035	7 0.276	♦142505XX	320	S	0.551	0.984	24.23 0.993	7 0.197
V0200770X	000	Ü	9	26	26.28	7	♦142607XX	320	S	14 0.551	25 1.024	25.23 1.033	5 0.276
100058	TW	Т	2.156	2.880	2.885	0.375	♦142707XX	320	S	14 0.551	26 1.063	26.23 1.071	7 0.276
100085←	#	Т	3.858	4.525	4.540	0.620	♦142806XX	350	S	14 0.551	27 1.102	27.20 1.111	7 0.236
100165 100357	# 860	S V	1.378 1.705	2.244 3.034	2.246 3.039	0.601 0.562	V142000XX	000	O	14	28	28.23	6
100494	Unitize	d V	3.253	4.249	4.260	0.635		220	-	0.551	1 101	1 100	0.076
100495	Unitize	4 V	3.003	3.751	3.761	0.420	◆143007XX	320	S	0.551	1.181	1.189	0.276
100557	Unitize	d V	3.253	5.500	5.511	0.635	♦143207XX	320	S	0.551 14	1.26 32	1.268 32.20	0.276 7
100675 ◆101907XX	720 350	V S	1.875 0.394	3.161 0.748	3.165 0.756	0.695 0.276	♦143507XX	350	S	0.551 14	1.378 35	1.387 35.22	0.276 7
♦102207XX	320	S	10 0.394	19 0.866	19.20 0.877	7 0.276	♦152407XX	350	S	0.591	0.945 24	0.954 24.23	0.276
▼102207 XX	320	3	10	22	22.28	7	◆152505XX	320	S	15 0.591 15	0.984 25	0.992 25.20	0.197 5
♦102407XX	350	S	0.394	0.945	0.954	0.276							
♦102507XX	320	S	10 0.394	24 0.984	24.23 0.995	7 0.276	♦152507XX	350	S	0.591 15	0.984 25	0.992 25.20	0.276 7
♦102607XX	320	S	10 0.394	25 1.024	25.28 1.033	7 0.276	◆152607XX	350	S	0.591 15	1.024 26	1.033 26.23	0.276 7
♦111704XX	320	S	10 0.433	26	26.23 0.679	7 0.157	♦152807XX	320	S	0.591 15	1.102 28	1.11	0.276 7
* 1 1 1 1 UMAA	320	3	11	17	17.25	4	♦153007XX	350	S	0.591 15	1.181 30	1.19 30.23	0.276 7

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
♦153207XX	350	S	0.591 15	1.26 32	1.268 32.20	0.276 7	♦183007XX	350	S	0.709 18	1.181 30	1.19 30.23	0.276 7
♦153207XX	350	S	0.591 15	1.26 32	1.268 32.20	0.276 7	♦183207XX	350	S	0.709 18	1.26 32	1.268 32.20	0.276
♦153208XX	350	S	0.591 15	1.26 32	1.269 32.22	0.315 8	♦183208XX	350	S	0.709	1.26 32	1.269 32.22	0.315 8
♦153507XX	350	S	0.591 15	1.378	1.387 35.23	0.276 7	♦183507XX	320	S	0.709	1.378 35	1.385 35.18	0.276
♦153706XX	320	S	0.591 15	1.457 37	1.465 37.20	0.236 6	♦183708XX	320	S	0.709	1.457 37	1.465 37.20	0.315 8
♦154007XX	320	S	0.591 15	1.575 40	1.583 40.20	0.276 7	◆183807XX	320	S	0.709	1.496 38	1.504 38.20	0.276 7
◆162204XX	320	S	0.63	0.866	0.874 22.20	0.157	◆184007XX	350	S	0.709	1.575 40	1.583 40.22	0.276
♦162405XX	350	S	0.63	0.984 25	0.992	0.197 5	♦192706XX	350	S	0.748	1.063	1.071 27.20	0.236
◆162406XX	320	S	0.63 16	0.945 24	0.953 24.20	0.236	◆193007XX	320	S	0.748	1.181	1.189	0.276
♦162407XX	320	S	0.63	0.945	0.953 24.20	0.276 7	♦193207XX	350	S	0.748	1.26	1.268 32.20	0.276
♦162607XX	320	S	0.63 16	1.024	1.031 26.20	0.276 7	♦193208XX	320	S	0.748	1.26	1.268	0.315
♦162807XX	350	S	0.63 16	1.102 28	1.111 28.23	0.276	◆193510XX	350	S	0.748	1.378 35	1.387 35.23	0.394
♦162807XX	350	S	0.63 16	1.102 28	1.11 28.20	0.276 7	♦194010XX	350	S	0.748 19	1.575 40	1.584 40.23	0.394 10
♦163007XX	350	S	0.63 16	1.181	1.19 30.23	0.276 7	♦194707XX	320	S	0.748	1.85 47	1.858 47.20	0.276
♦163207XX	320	S	0.63	1.26 32	1.271 32.28	0.276 7	200110 200133	2000 2000E	S	2.058 3.000	3.149 4.524	3.154 4.600	0.270 0.433
♦163507XX	350	S	0.63 16	1.378 35	1.387 35.23	0.276 7	200322	2000	S	2.953	4.724	4.729	0.320
♦163807XX	320	S	0.63	1.496	1.504	0.276	200338 200339	2000 2000	S S	1.250	2.000 2.875	2.004 2.879	0.290
♦164007XX	320	S	16 0.63	38 1.575	38.20 1.583	7 0.276	200354 200371	2000 2000	S	1.750 1.945	2.718 2.891	2.722 2.895	0.359 0.290
♦172707XX	320	S	16 0.669	40 1.063	40.20 1.071	7 0.276	2003/1	2000		1.945	2.091	2.093	0.290
♦172807XX	350	S	17 0.669	27 1.102	27.20 1.111	7 0.276	200392 200600	2000 2000E	S	2.625 1.750	3.813 2.786	3.818 2.876	0.415 0.285
♦173007XX	350	S	17 0.669	28 1.181	28.23 1.19	7 0.276	200603	2000E	S	3.625	4.695	4.810	0.395
			17	30	30.23	7	200640 200640S	2000E 200E		1.562 1.562	2.531 2.531	2.621 2.621	0.285
♦173207XX	350	S	0.669 17	1.26 32	1.269 32.22	0.276 7	200641	2000E	S	1.625	2.462		.250
♦173507XX	350	S	0.669 17	1.378	1.385 35.18	0.276	200642 200752	2000E	S	4.750 1.873	6.002 2.716	6.092 2.806	0.285 0.281
♦173508XX	350	S	0.669 17	35 1.378	1.386 35.20	7 0.315 8	200763	2000E	S	2.250	3.249	3.250	0.285
♦173707XX	320	S	0.669	35 1.457	1.465	0.276	200766	2000E	S	3.062	4.230	4.350	0.390
♦173807XX	320	S	17 0.669 17	37 1.496 38	37.20 1.504 38.20	7 0.276 7	200851 200854 200855	2000E 2000E 2000E	S	2.496 1.750 2.375	3.672 2.718 3.471	3.772 2.728 3.616	0.315 0.294 0.290
♦174007XX	350	S	0.669	1.575 40	1.584 40.23	0.276	200855S 200859	2000E 2000		2.375 1.500	3.471 2.256	3.616	0.290 0.290 .270
♦174707XX	350	S	0.669 17	1.85 47	1.858 47.20	0.276 7	000004	0000		4 = 0 0	0.455	0.455	0.000
♦174708XX	320	S	0.669 17	1.85 47	1.858 47.20	0.315 8	200861 200865	2000E 2000E	S	1.500 2.065	2.462 3.130	2.482 3.130	0.290 0.294
♦182806XX	350	S	0.709 18	1.102 28	1.113 28.28	0.236 6	200870 200881	2000E		3.249 2.000	4.468 2.804	4.488 2.824	0.318 0.294

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
200885	2000E	S	1.991	2.900	2.975	0.290	204501	2040	S	1.750	3.000	3.005	0.250
							204502	2040	S	1.750	2.561	2.567	0.252
200886	2000E	S	1.687	2.650	2.725	0.290	204503	2040	S	1.750	2.374	2.379	0.250
200886S	200E	S	1.687	2.650	2.725	0.290	204505	2040	S	1.125	1.780	1.785	0.250
200887	2000E	Š	1.562	2.237	2.257	0.290	204506	2040	S	2.000	3.623	3.628	0.250
200929	2000E	S	2.250	3.400	3.700	0.280							
200942	2000E	S	2.750	3.846	3.928	0.290	204507	2040	S	1.250	1.979	1.985	0.252
							204508	2040	S	2.000	3.062	3.066	0.250
♦202806XX	320	S	0.787	1.102	1.11	0.236	204509	2040	S	5.000	6.250	6.256	0.250
V202000XX	020	Ü	20	28	28.20	6	◆204707XX	350	S	0.787 20	1.85 47	1.859 47.22	0.276
203002	2030	S	1.750	2.717	2.721	0.406	205004	2050	F	1.125	1.937	1.942	0.625
203003	2030	S	1.125	1.937	1.942	0.562		2000	•	1.120	1.007	1.0 12	0.020
203005	2030	S	1.000	1.780	1.785	0.468			_				
203005S	203	S	1.000	1.780	1.785	0.468	205005	2050	F	1.000	1.780	1.785	0.468
						-	205015	2050	F	1.750	2.563	2.569	0.500
203006	2030	S	1.812	2.561	2.566	0.500	205017 205035	2050 2050	F F	1.625 2.296	2.328 3.148	2.327 3.153	0.406 0.359
203006S	2030	S	1.812	2.561	2.566	0.500	205035	2050	F	2.000	2.964	2.965	0.500
♦203007XX	350	S	0.787	1.181	1.192	0.276	203044	2030	Г	2.000	2.904	2.905	0.500
000000	2222	_	20	30	30.28	7							
203008	2030	S	1.687	2.327	2.332	0.500	205058	2050	S	2.000	2.562	2.566	0.500
203012	2030	S	1.250	1.969	1.975	0.469	♦205207XX	350	S	0.787	2.047	2.055	0.276
							040005	010	0	20	52	52.20	7
203013	2030	S	1.500	2.327	2.333	0.406	210295 210945	210	S S	1.937 1.750	2.875	2.879 3.376	0.687
203016	2030	S	1.218	1.968	1.972	0.468	◆213507XX	210 320	S	0.827	3.371 1.378	1.386	0.625 0.276
203025	2030	S	1.219	1.979	1.985	0.406	▼213307 XX	320	3	21	35	35.20	7
203029	2030	S	1.250	1.979	1.985	0.406						00.20	
♦203207XX	350	S	0.787	1.26	1.269	0.276	. 040500VV	000	0	0.007	1.070	4 000	0.045
			20	32	32.23	7	♦213508XX	320	S	0.827 21	1.378 35	1.386 35.20	0.315
							♦220818	320	S	0.315	0.709	0.717	0.276
♦203507XX	350	S	0.787	1.378	1.387	0.276	1 4220010	020	0	8	18	18.20	7
			20	35	35.23	7	♦220860	350	S	0.315	0.630	0.638	0.236
◆203607XX	320	S	0.787	1.417	1.425	0.276			_	8	16	16.20	6
♦203707XX	320	S	20 0.787	36 1.457	36.20 1.465	7 0.276	♦220918	350	S	9.000	0.709	0.717	0.276
♥ 203101XX	320	3	20	37	37.20	7	♦221040	350	S	9 0.394	18 0.748	18.20 0.757	7 0.276
♦203708XX	320	S	0.787	1.457	1.465	0.315	₩221040	330	3	10	19	19.23	7
			20	37	37.20	8						10.20	
♦203807XX	320	S	0.787	1.496	1.504	0.276	004400	0=0	_	0.400			
			20	38	38.20	7	♦221122	350	S	0.433 11	0.866 22	0.875 22.23	0.276 7
							♦221207	350	S	0.472	0.866	0.876	0.276
204002	2040	S	1.750	2.716	2.721	0.406	\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	000	O	12	22	22.25	7
204005	2040	S	1.000	1.781	1.787	0.469	♦221208	350	V	0.472	0.866	0.875	0.276
204005S	2040	S	1.000	1.781	1.787	0.469			_	12	22	22.23	7
♦204007XX	350	S	0.787	1.575	1.584	0.276	♦221410	350	S	0.551	0.945	0.954	0.236
*304040VV	050	0	20	40 1 575	40.23	7	A221510	200	N	14 0.501	24	24.23	0 236
◆204010XX	350	S	0.787 20	1.575 40	1.584 40.23	0.394 10	♦221510	320	IN	0.591 15	0.984 25	0.994 25.25	0.236
			20	40	40.20							20.20	
004040	20.12	_	4 500	0.00=	0.000	0.400	.001540	050	0	0.501	4 404	1 100	0.070
204013	2040	S	1.500	2.327	2.333	0.406	♦221540	350	S	0.591 15	1.181 30	1.190 30.23	0.276 7
204017	2040	S	1.625	2.328	2.334	0.437	♦221607	#	Ν	0.630	1.063	1.071	0.551
204020 204027	2040 2040	S S	1.125 1.375	1.781 2.327	1.787 2.332	0.469 0.406		iT		16	27	27.20	14
204027 204029	2040	S	1.375	2.327 1.979	2.332 1.983	0.406	♦221610	320	Ν	0.630	1.102	1.111	0.276
207023	2040	J	1.230	1.3/3	1.500	0.400			_	16	28	28.22	7
	_	_		_			\$221620	350	S	0.630	1.181	1.190	0.276
204035	2040	S	2.293	3.148	3.154	0.358	A221710	250	S	16 0.660	1 102	30.23	7 0.276
204038	2040	S	1.750	2.718	2.724	0.359	♦221710	350	3	0.669 17	1.102 28	1.111 28.22	0.276 7
◆204207XX	350	S	0.787	1.654	1.663	0.276				.,	20	_0	
♦204210XX	320	S	20 0.787	42 1.654	42.25 1.659	7 0.394	.004700	4=0	_	0.000	4 404	4 400	0.07-
+ £ 0 7 £ 1 U / A /	020	J	20	42	42.15	10	♦221720	470	S	0.669	1.181	1.190	0.276
204500	40S	S	1.625	2.562	2.568	0.252	♦221730	350	S	17 0.669	30 1.260	30.23 1.269	7 0.276
			-			-	1 444113U	330	O	0.003	1.700	1.705	U. Z / D

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
♦221735	350	S	0.669 17	1.378 35	1.387 35.23	0.276 7	222742	480	V	1.063	1.654	1.657	0.276
♦221820	320	S	0.709 18	1.181	1.190 30.23	0.315 8	◆222743 ←	320	Н	1.063	1.693	1.701	0.354
♦221830	350	S	0.709	1.260	1.269	0.276 7	♦222745 ←	320	N	27 1.063	43 1.772	43.20 1.781	9
					02.20		♦222820	330	S	27 1.102	45 1.575	45.24 1.584	9 0.276
♦221920	320	S	0.748 19	1.181 30	1.190 30.23	0.197 5	♦222830	320	N	28 1.102	40 1.614	40.23 1.625	7 0.276
♦221922	320	S	0.748 19	1.260 32	1.269 32.23	0.315 8	♦222835	320	N	28 1.102	41 1.732	41.27 1.741	7 0.236
♦221925	350	S	0.748 19	1.417 36	1.426 36.23	0.256 6.50	V222000	020	.,	28	44	44.22	6
♦222020	350	S	0.787	1.260	1.269 32.23	0.276	◆222860 →	320	N	1.102	1.850	1.859	0.315
♦222025	350	S	0.787	1.181	1.190 30.23	0.276 7	♦223005	480	S	28	47 1.575	47.22 1.584	0.276
			20		30.23		◆223010 →	320	S	30 1.181	40 1.654	40.23	7 0.276
222028 ◆222030→	320 320	S S	0.787 0.787	1.339 1.378	1.348 1.387	0.276 0.217	◆223010 7 ◆223012→	320	N	30 1.181	42 1.732	42.24 1.741	7 0.354
			20	35	35.23	5.50				30	44	44.22	9
♦222036	320	V	0.787	1.417	1.426 36.22	0.276 7	♦223014	320	S	1.181 30	1.772 45	1.781 45.24	0.236 6
♦222050	350	S	0.787	1.575	1.584 40.23	0.276	→223018 →	320	S	1.181	1.811	1.820	0.276
♦222060	350	S	0.787 20	1.850 47	1.859 47.22	0.276 7	♦223020	350	s	30	46 1.850	46.23 1.859	0.276 0.276
◆222210	350	S	0.866	1.260	1.269	0.276	♦223020	350	S	30 1.181	47 2.047	47.22 2.058	0.276 7 0.276
		S	22	32	32.23	7			S	30	52	52.27	7
♦222220	320		0.866	1.378	1.387 35.23	0.276	♦223050 ←	320		1.181	1.969	1.978	0.354
♦222238	320	S	0.866	1.496	1.504 38.20	0.315	◆223207XX	350	S	0.866 22	1.26 32	1.269 32.23	0.276 7
♦222240	350	S	0.866	1.575	1.584 40.23	0.276	A002010	240		1.060	1 575	1 501	0.107
♦222242	320	N	0.866 22	1.575 40	1.584 40.23	0.354 9	♦223210 •223210	340	S	1.260	1.575	1.581 40.15	0.197
				4 770	4 704	0.045	♦223215 ←	320	S	1.260	1.654	1.661 42.20	0.394
♦222267 ←	320	Н	0.866	1.772 45	1.781 45.24	0.315	♦223220 →	320	N	1.260	1.732	1.741	0.236
222310 ◆222330←	340 320	S N	0.905 0.906	1.260 1.339	1.268 1.348	0.197 0.315	♦223230	320	S	1.260 32	1.772 45	1.781 45.24	0.276 7
♦222410	350	S	23 0.945	34 1.378	34.24 1.387	8 0.276	◆223235 →	320	N	1.260 32	1.811 46	1.820 46.23	0.236 6
♦222430	350	S	24 0.945	35 1.575	35.23 1.584	7 0.276							
			24	40	40.23	7	◆223240 →	400	N	1.260	1.890	1.899 48.24	0.276
222450	250	S	0.945	1.693	1.702	0.315	◆223250 →	320	S	1.260 32	1.969 50	1.978 50.24	0.315 8
♦222510	350	S	0.984 25	1.378 35	1.383 35.13	0.276 7	♦223252 ←	320	N	1.260 32	2.047 52	2.058 52.28	0.433 11
◆222535 →	320	S	0.984 25	1.496 38	1.505 38.23	0.276 7	◆223253 →	320	N	1.260 32	2.087 53	2.098 53.29	0.276 7
♦222540	470	S	0.984 25	1.575 40	1.584 40.23	0.276 7	♦223255	350	S	1.260 32	2.047 52	2.058 52.27	0.276 7
$\textbf{222556} {\rightarrow}$	320	Н	0.984	1.654	1.665	0.315							
♦222560	350	S	0.984	1.850	1.859	0.276	◆223340 →	320	S	1.299 33	1.850 47	1.859 47.22	0.276 7
♦222580	320	S	25 0.984	47 2.441	47.22 2.452	7 0.394	♦223400	320	N	1.339 34	1.732 44	1.741 44.23	0.315 8
222630	320	N	25 1.024	62	62.28 1.504	10 0.315	◆223420 →	320	N	1.339 34	1.890 48	1.899 48.24	0.315 8
♦222655 →	320	S	1.024	1.496 1.890 48	1.899 48.24	0.315 0.276 7	♦223440	320	N	1.339	2.087 53	2.098 53.28	0.315

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
♦223507XX	350	S	0.866 22	1.378 35	1.387 35.23	0.276 7	◆223840	470	S	1.496 38	2.283 58	2.290 58.17	0.315 8
♦223510	350	S	1.378	1.850 47	1.859 47.22	0.276	223842	480	٧	1.496	2.283	2.288	0.315
♦223520	350	S	1.378	1.969	1.980	0.315	♦223843	350	S	1.496	2.362	2.373	0.394
♦223535	330	S	35 1.378	50 2.047	50.29 2.053	8 0.276	◆224007XX	350	S	0.866 22	1.575 40	1.584 40.23	0.276 7
♦223540	320	N	35 1.378	52 2.165	52.15 2.176	7 0.315	◆224008XX	350	S	0.866 22	1.575 40	1.583 40.20	0.315 8
♦223542	320	N	35 1.378 35	55 2.165 55	55.27 2.176 55.27	8 0.315 8	♦224010	350	S	1.575 40	2.047 52	2.053 52.15	0.276 7
◆223543	320	S	1.378	2.205	2.216	0.394	◆224015 →	320	S	1.575 40	2.047 52	2.058 52.27	0.236 6
♦223550	450	S	35 1.378	56 2.283	56.29 2.294	10 0.394	◆224020 →	320	S	1.575 40	2.165 55	2.176 55.27	0.315 8
♦223552	320	S	35 1.378	58 2.441	58.27 2.452	10 0.276	◆224025 →	320	Ν	1.567 40	2.205 56	2.216 56.29	0.315
♦223553 →	400	N	35 1.378	62 2.441	62.28 2.452	7 0.354	◆224026 ↔	350	V	1.575 40	2.205 56	2.216 56.29	0.354
♦223554	#	s	35 1.378 35	62 2.480 63	62.28 2.487 63.17	9 0.394 10	♦224040	350	S	1.575 40	2.362 60	2.373 60.27	0.394 10
.000555	470		4 070	0.500	0.505	0.045	♦224045	320	S	1.575	2.441	2.452	0.433
♦223555	470	N	1.378	2.520 64	2.525 64.13	0.315	◆224052 →	320	Н	40 1.575	62 2.047	62.28 2.058	11 0.27 <u>6</u>
♦223580 →	400	S	1.378	2.677	2.683	0.354	◆224063 →	320	Ν	40 1.575	52 2.480	52.27 2.491	0.315
♦223601	350	S	1.417 36	1.850 47	1.859 47.22	0.276 7	◆224066 →	400	N	40 1.575	63 2.598	63.27 2.609	8 0.315
◆223602 →	320	N	1.417 36	1.929 49	1.938 49.23	0.276 7	224068	400	N	40 1.575	66 2.677	66.27 2.681	8 0.354
\$223605	470	S	1.417 36	1.969 50	1.974 50.14	0.276 7	→224100	350	S	1.575	2.559	2.565	0.394
♦223606	480	S	1.024	1.654	1.659	0.315	224150	350	N	40 1.614	65 2.126	65.15 2.135	10 0.276
♦223607XX	320	S	26 0.866	42 1.417	42.14 1.425	8 0.276	♦224200	320	S	1.654	2.165	2.172 55.17	0.236
♦223608 ←	320	S	22 1.417	36 2.047	36.20 2.055	7	♦224200S	320	S	1.654	2.165	2.172	0.236
♦223610	350	S	36 1.417	52 2.126	52.20 2.137	10 0.295	◆224205 →	320	Ν	42 1.654	55 2.1 <u>65</u>	55.17 2.178	0.315
			36	54	54.28	7.50				42	55	55.33	8
◆223707XX	350	S	0.866 22	1.457 37	1.466 37.23	0.276 7	◆224207XX	320	S	0.866	1.654 42	1.661 42.20	0.276 7
♦223750 →	320	N	1.457	1.969	1.980	0.236	♦224210XX	350	S	0.866	1.654 42	1.661 42.20	0.394 10
♦223800 →	320	N	37 1.496	50 1.969	50.29 1.980	6 0.315	♦224210	350	S	1.654 42	2.165 55	2.172 55.17	0.236
♦223801	320	S	38 1.496	50 1.969	50.28 1.980	8 0.315	♦224215 ←	320	N	1.654	2.283	2.294	0.374
◆223802 →	320	N	38 1.496	50 1.969	50.29 1.978	0.236	♦224220	490	S	1.654	58 2.205	58.27 2.213	9.50 0.27 <u>6</u>
			38	50	50.25	6				42	56	56.21	7
♦223805	250	S	1.496 38	2.244 57	1.850 47.00	0.276 7	♦224235	480	S	1.654	2.283	2.290	0.354
◆223807XX	350	S	0.866	1.496	1.504	0.276	◆224250 →	350	S	42 1.654	58 2.441	58.17 2.452	9 0.394
◆223808XX	320	s	22 0.866	38 1.496	38.20 1.504	7 0.315	♦224252	320	S	42 1.654	62 2.441	62.28 2.452	10 0.27 <u>6</u>
			22	38	38.20	8	♦224254	340	S	42 1.654	62 2.524	62.28 2.535	7 0.236
♦223830	350	N	1.496	2.165	2.176 55.27	0.354	♦224255	470	N	42 1.654	64.10 2.559	64.39 2.565	6 0.394
◆223831 →	320	N	1.496 38	2.165 55	2.176 55.27	0.354 9				42	65	65.15	10

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
224266 •224270	320 350	S S	1.654 1.654	2.598 2.835	2.609 2.845	0.394 0.394	♦225010	470	S	1.969 50	2.559 65	2.565 65.15	0.354
			42 1.693	72	72.27 2.448	10	◆225020 →	320	V	1.969	2.677 68	2.688 68.28	0.354
♦224320	470	S	43	2.441	62.18	0.394	♦225030	350	S	1.969	2.835	2.846	0.315
♦224400	250	S	1.693 43	2.126 54	2.132 54.15	0.256 6.50				50	72	72.29	8
224450	350	N	1.732	2.323	2.332	0.268	♦225035	320	S	1.969 50	2.835 72	2.846 72.29	0.354 9
◆224460 →	350	Χ	1.732 44	2.362 60	2.373 60.27	0.276 7	◆225040 →	320	S	1.969	2.835 72	2.846 72.29	0.472 12
♦224462	320	S	1.732 44	2.441 62	2.452 62.28	0.315 8	♦225050	350	S	1.969	3.150	3.161 80.29	0.315
◆224464 ←	320	Ν	1.732 44	2.441 62	2.452 62.28	0.394 10	♦225082	#	S	1.969 50	3.228 82	3.235 82.18	0.315 8
◆224465 →	320	S	1.732 44	2.559 65	2.570 65.28	0.433	♦225110	470	S	2.008 51	2.559 65	2.565 65.15	0.276 7
♦224507XX	350	S	0.866 22	1.772 45	1.781 45.23	0.276 7							
							♦225208	320	S	2.047 52	2.559 65	2.570 65.28	0.354 9
♦224520	350	S	1.772 45	2.362 60	2.373 60.27	0.315 8	♦225210	350	N	2.047 52	2.598 66	2.609 66.27	0.354 9
♦224560	320	S	1.772 45	2.677 68	2.688 68.28	0.335 8.50	♦225220	350	S	2.047 52	2.677 68	2.683 68.15	0.256 6.50
♦224570	350	S	1.772	2.835	2.846	0.276	♦225225	470	S	2.047	2.756 70	2.762 70.16	0.315
ullet224650 $ o$	320	Ν	45 1.811 46	72 2.283 58	72.29 2.294 58.27	7 0.276 7	♦225227	#	S	2.205	2.835 72	2.845 72.27	0.492 12.50
ullet224660 $ o$	320	Н	1.811	2.362	2.373	0.276							
			46	60	60.27	7	♦225230	350	S	2.047 52	2.835 72	2.846 72.29	0.303 7.70
224662	350	S	1.811	2.441	2.445	0.315	♦225275	660	S	2.047 52	2.953 75	2.957 75.11	0.295 7.50
224663→ ◆224707XX	350 350	N S	1.811 0.866	2.480 1.85	2.491 1.859	0.300 0.276	♦225278	350	Ν	2.047	3.071 78	3.082 78.28	0.354
\$224772	480	S	22 1.850	47 2.835	47.23 2.841	7 0.315	♦225410	#	S	2.126 54	2.598	2.605	0.295
♦224810	320	N	47 1.890	72 2.441	72.16 2.452	8 0.276	♦225420	320	S	2.126	66 2.835	66.17 2.844	7.50 0.394
			48	62	62.28	7	-			54	72	72.25	10
224815	400	N	1.890	2.913	2.925	0.394	♦225450	320	S	2.126 54	3.228 82	3.240 82.30	0.315 8
♦224820	320	S	1.890 48	2.441 62	2.452 62.28	0.315 8	225460	320	S	2.126	3.346	3.356	0.394
◆224835 →	320	N	1.890 48	2.677 68	2.688 68.28	0.433 11	♦225500	320	S	2.165	2.677	2.688	0.315
◆224840 →	320	S	1.890 48	2.677 68	2.688 68.28	0.433 11	♦225505	320	S	2.165 55	2.756 70	2.761 70.13	0.354 9
♦224850	350	S	1.890 48	2.835 72	2.846 72.29	0.335 8.50	♦225530	350	S	2.165 55	2.835 72	2.844 72.24	0.315 8
◆224865	320	S	1.890	2.559	2.570	0.354	♦225535	320	S	2.165	2.835	2.846	0.394
			48	65	65.28	9	♦225540	320	S	55 2.047	72 2.835	72.29 2.846	10 0.295
♦224870	470	S	1.890	2.874	2.878 73.10	0.276	♦225545	350	S	52 2.165	72 2.953	72.29 2.962	7.50 0.394
♦224872	320	S	1.890	2.835	2.846 72.29	0.335 8.50		320		55	75	75.24	10
♦224874	320	S	1.890 48	2.913 74	2.924 74.27	0.394 10	♦225650 •225672		S	2.205	2.835 72	2.840 72.14	0.354
♦224979	470	N	1.929 49	3.110 79	3.114 79.10	-	♦225673	#	S	2.205 56	2.874 73	2.880 73.15	0.295 7.50
♦225005	320	S	1.969	2.441	2.448	0.276	♦225678	#	S	2.205	3.071	3.082	0.295
♦225008	470	S	50 1.969	62 2.441	62.18 2.446	7 0.354	♦225775	#	S	56 2.205	78 2.953	78.28 2.966	7.50 0.276
	770	5	50	62	62.13	9	♦225874	1010	N	56 2.283	75 2.913	75.33 2.918	7 0.512
										58	74	74.12	13

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
♦225875	320	S	2.283	2.953	2.964	0.354	♦228020	320	S	3.150	4.134	4.145	0.512
♦225877	350	N	58 2.283	75 3.031	75.29 3.042	9 0.335				80	105	105.28	13
			58	77	77.27	8.50	♦228030	350	S	3.150	4.331	4.342	0.394
. 005000	050		0.000	0.450	0.404	0.015				80	110	110.29	10
♦225880	350	S	2.283 58	3.150 80	3.161 80.29	0.315 8	◆228250←	320	Н	3.268 83	3.937 100	3.948 100.28	0.354 9
226001←	250	V	2.362	2.913	2.917	0.394	◆228410 ←	320	V	3.307	4.094	4.105	0.433
◆226015 ←	320	N	2.362	2.953 75	2.964 75.29	0.354 9	♦228480 ←	320	Н	84 3.228	104 4.134	104.27 4.146	11 0.512
♦226018	350	Ν	2.362	3.071	3.082	0.354	* 000E00	050	0	82	105	105.32	13
♦226150	#	S	60 2.402	78 2.992	78.28 3.003	9 0.276	♦228520	350	S	3.346 85	4.331 110	4.342 110.29	0.472 12
			61	76	76.28	7							
							◆228700 ←	320	Н	3.425	3.937	3.948	0.315
♦226285	410	S	2.441 62	3.346 85	3.353 85.17	0.315 8	229004←	320	Н	87 3.504	100 4.291	100.28 4.299	8 0.354
◆226480 →	330	Н	2.520	3.150	3.158	0.315	♦229005 ←	320	V	3.543	4.331	4.342	0.354
◆226510 →	320	Υ	64 2.559	80 3.189	80.21 3.200	8 0.276	♦229006 ←	320	Н	90 3.543	110 4.331	110.29 4.342	9 0.354
			65	81	81.28	7				90	110	110.29	9
♦226520	350	S	2.559 65	3.346 85	3.355 85.22	0.394 10	♦229010←	320	Н	3.543 90	4.331 110	4.342 110.29	0.354 9
♦226530	350	S	2.559	3.543	3.554	0.394							
			65	90	90.27	10	♦229210 ←	320	V	3.583	4.331	4.342	0.335
♦226610	410	N	2.598	3.150	3.154	0.354	229520	350	S	91 3.740	110 5.118	110.29 5.129	8.50 0.472
			66	80	80.11	9	♦231002	350	S	3.937	4.724	4.730	0.472
226820 226840	320 #	H V	2.677 2.677	3.386 3.740	3.398 3.752	0.315 0.512	♦231003	350	S	100 3.937	120 4.921	120.13 4.935	12 0.472
♦227020 ←	320	Ϋ́Η	2.756	3.465	3.476	0.472	V 231003	330	3	100	125	125.35	12
♦227040 ←	350	Н	70 2.756	88 3.543	88.29 3.556	12 0.394	♦231004	320	Н	3.937 100	4.724 120	4.735 120.27	0.433 11
▼ 227040←	330	П	70	90	90.32	10				100	120	120.27	
							231052	320	Н	4.134	4.724	4.732	0.433
◆227045 ←	470	Н	2.756	3.622	3.633	0.335	231204	350	S	4.724	5.709	5.720	0.472
♦227235 ←	320	Н	70 2.835	92 3.780	92.28 3.791	8.50 0.354	♦231250	350	S	4.921 125	5.906 150	5.920 150.37	0.472 12
007400	200		72	96	96.29	9	231402	350	S	5.512	6.299	6.310	0.512
227409 ◆227410→	320 320	H H	2.913 2.913	3.543 3.858	3.549 3.869	0.394 0.472	239128	#	S	1.496	2.047	2.055	0.354
.007500			74	98	98.27	12	239129	#	S	2.874	3.386	3.397	0.197
♦227530	350	S	2.953 75	3.740 95	3.751 95.28	0.394 10	◆239134	#	S	1.457	3.071	3.083	0.197
								400	6	37	78	78.30	12
♦227540	320	S	2.953	3.937	3.948	0.394	♦239146 ←	480	S	1.496 38	2.126 54	2.137 54.28	0.315 8
♦227550 ←	320	Н	75 2.953	100 3.937	100.28 3.948	10 0.512	♦239201	320	S	1.575 40	2.047 52	2.058 52.27	0.591 15
			75	100	100.28	13	240009	240	S	0.625	1.124	1.135	0.175
♦227610 →	320	Н	2.992 76	3.858 98	3.869 98.27	0.472 12							
◆228005 ←	320	V	3.150	3.780	3.791	0.354	240023	240	S	0.625	1.375	1.385	0.175
♦228008 ←	320	Х	80 3.150	96 3.858	96.29 3.869	9 0.394	240119 240151	240 240	S S	0.500 1.125	0.999 1.561	1.010 1.572	0.175 0.187
		-	80	98	98.27	10	240215	240	S	0.875	1.624	1.634	0.187
							240319	240	S	1.500	2.000	2.010	0.187
◆228009 ←	320	Н	3.150 80	3.937 100	3.948 100.28	0.394 10			_				
◆228010 ←	320	Н	3.150	3.937	3.948	0.512	240356 240385	240 240	S S	1.250 0.375	1.686 0.750	1.691 0.760	0.188 0.175
♦228012	350	S	80 3.150	100 3.937	100.28 3.948	13 0.394	240365	240	S	1.000	1.437	1.447	0.175
			80	100	100.28	10	240435	240	S	0.250	0.750	0.760	0.175
♦228015 →	320	Н	3.150 80	3.937 100	3.948 100.28	0.512 13	240457	240	S	0.984	1.828	1.838	0.187
			50	.50			240462	240	S	1.000	1.936	1.948	0.187
								270	J	1.000	1.000	1.040	0.107

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
240698	240	S	0.312	0.625	0.635	0.175	♦254808XX	320	S	0.984	1.89	1.898	0.315
240716 240731	240 240	S S	1.312 1.000	1.752 1.250	1.760 1.256	0.187 0.126	♦255010XX	350	S	25 0.984	48 1.969	48.20 1.98	8 0.394
240/31	240		1.000	1.230	1.230	0.120	V200010XX	000	Ü	25	50	50.28	10
240733 240735	240 240	S S	0.874 0.750	1.125 1.000	1.131 1.006	0.125 0.126	♦255207XX	350	S	0.984	2.047	2.058	0.276
240736	240	S	1.250	1.499	1.509	0.126		0.50	•	25	52	52.27	7
240816	240	S	0.750	1.062	1.071	0.188	♦255208XX	350	S	0.984 25	2.047 52	2.055 52.20	0.315
240949	240	S	1.250	1.250	1.838	0.187	♦255210XX	350	S	0.984	2.047	2.055 52.20	0.394
♦243507XX	350	S	0.945	1.378	1.387	0.276	◆256210XX	320	S	0.984	2.441 62	2.452 62.28	0.394
♦243707XX	350	S	0.945	35 1.457	35.23 1.466	7 0.27 <u>6</u>	◆263707XX	320	S	1.024	1.457 37	1.465 37.20	0.276
♦243807XX	320	S	24 0.945	37 1.496	37.23 1.504	7 0.276							
♦244007XX	350	S	0.945	38 1.575	38.20 1.584	7 0.27 <u>6</u>	◆263805XX	320	S	1.024 26	1.496 38	1.504 38.20	0.197 5
♦244207XX	320	S	0.945	40 1.645	40.23 1.661	7 0.27 <u>6</u>	◆264007XX	320	S	1.024 26	1.575 40	1.583 40.20	0.276 7
			24	42	42.20	7	◆264207XX	320	S	1.024 26	1.654 42	1.661 42.20	0.276 7
♦244210XX	320	S	0.945 24	1.654 42	1.663 42.25	0.394 10	◆264210XX	350	S	1.024 26	1.654 42	1.663 42.23	0.394 10
♦244707XX	350	S	0.945	1.85 47	1.859 47.23	0.276 7	◆264707XX	350	S	1.024 26	1.85 47	1.859 47.23	0.276 7
♦245207XX	320	S	0.945	2.047 52	2.055 52.20	0.276 7							
251511	250	S	1.250	1.625	1.634	0.188	◆264807XX	320	S	1.024 26	1.89 48	1.899 48.23	0.276
252277	250	S	1.000	1.375	1.381	0.252	◆265208XX	320	S	1.024	2.047	2.055 52.20	0.315 8
252450	250	S	0.750	1.311	1.317	0.311	♦273707XX	350	S	1.063	1.457	1.463	0.276
253099	250	S	1.500	1.874	1.879	0.250	♦274210XX	350	S	27 1.063	37 1.654	37.15 1.663	7 0.394
♦253506XX	320	S	0.984	1.378	1.386	0.236	₹214210 XX		J	27	42	42.23	10
◆253506XX	320	S	25 0.984	35 1.378	35.20 1.388	6 0.27 <u>6</u>	◆274308XX	320	S	1.063 27	1.693 43	1.701 43.20	0.315 8
♦253607XX	320	S	25 0.984	35 1.417	35.25 1.426	7 0.276							
V2000017KX	020	Ü	25	36	36.23	7	◆274508XX	350	S	1.063 27	1.772 45	1.781 45.25	0.315 8
♦253608XX	350	S	0.984	1.417	1.426	0.315	♦274710XX	350	S	1.063	1.85 47	1.859 47.23	0.394
♦253707XX	320	S	25 0.984	36 1.457	36.22 1.465	8 0.276	♦275208XX	350	S	1.063	2.047 52	2.055 52.20	0.315
050747	050	0	25	37	37.20	7	♦283807XX	350	S	1.102	1.496	1.505	0.276
253747 ◆253807XX	250 350	S S	0.625 0.984	0.875 1.496	0.880 1.505	0.125 0.276	♦284007XX	350	S	28 1.102	38 1.575	38.23 1.585	7 0.276
♦254007XX	350	S	25 0.984	38 1.575	38.23 1.583	0.276	V204007 XX	000	O	28	40	40.26	7
			25	40	40.22	7	◆284008XX	320	S	1.102	1.575	1.583	0.315
♦254206XX	350	S	0.984	1.654	1.661	0.236	◆284208XX	350	S	28 1.102	40 1.654	40.20 1.663	8 0.315
◆254208XX	320	S	25 0.984	42 1.654	42.20 1.661	6 0.315	◆284406XX	320	N	28 1.102	42 1.732	42.23 1.741	8 0.236
♦254210XX	350	S	25 0.984	42 1.654	42.20 1.665	0.394	◆284508XX	320	S	28 1.102	44 1.772	44.23 1.78	6 0.315
254270	250	S	25 0.750	42 1.124	42.28 1.130	10 0.189	♦284707XX	350	S	28 1.102	45 1 05	45.20	8 0.276
254287	250	S	0.875	1.250	1.256	0.189	▼ 204707AA	330	3	28	1.85 47	1.859 47.22	7
◆254508XX	350	S	0.984	1.772	1.781	0.315	◆284808XX	320	S	1.102	1.89	1.898	0.315
◆254607XX	320	S	25 0.984	45 1.811	45.23 1.819	8 0.276	♦285207XX	350	S	28 1.102	48 2.047	48.20 2.056	8 0.276
◆254707XX			25	46	46.20	7				28	52	52.23	7
-/54/II/XX	350	S	0.984 25	1.85 47	1.859 47.23	0.276 7	291099 291295	290 290	F F	1.625 1.840	2.562 2.400	2.566 2.404	0.375 0.235

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
292594	290	F	2.000	2.635	2.639	0.235	321460	320	S	1.781	2.258	2.269	0.374
							321516 322353	320 320	S S	1.000 1.250	2.441 1.686	2.447 1.695	0.375 0.252
296470	290	F	3.250	4.249	4.254	0.375	322373	320	S	1.500	2.250	2.260	0.232
♦304007XX	350	S	1.181 30	1.575 40	1.584 40.23	0.276 7	323119	320	S	1.750	2.715	2.721	0.437
♦304207XX	350	S	1.181 30	1.654 42	1.661 42.20	0.276 7	202105	200		1 075	0.717	0.700	0.075
♦304407XX	250	S	1.181	1.732	1.743	0.276	323125 323126	320 320	S S	1.375 1.250	2.717 1.687	2.723 1.696	0.375 0.313
♦304505XX	320	S	30 1.181	1.772	44.28 1.78	7 0.197	323133	320	S	1.125	1.781	1.790	0.409
			30	45	45.22	5	323138 324112	320 320	S S	1.375 0.500	1.828 1.156	1.834 1.166	0.250 0.250
♦304508XX	320	S	1.181	1.772	1.78	0.315							
♦304607XX	320	S	30 1.181	45 1.811	45.20 1.819	8 0.276	324204 ♦324207XX	320 350	V S	1.535 1.26	2.244 1.654	2.259 1.661	0.380
♥ 304607.XX	320	3	30	46	46.20	0.276 7				32	42	42.20	7
♦304707XX	350	S	1.181 30	1.85 47	1.86 47.25	0.276 7	♦324208XX	320	S	1.26 32	1.654 42	1.661 42.20	0.315
♦304808XX	350	S	1.181	1.89	1.901	0.315	♦324307XX	320	S	1.26 32	1.693 43	1.701 43.20	0.276
♦305007XX	350	S	30 1.181	48 1.969	48.28 1.978	8 0.276	♦324507XX	320	S	1.26	1.772	1.781	0.276
			30	50	50.23	7				32	45	45.23	7
♦305008XX	480	S	1.181	1.969	1.976	0.315	♦324606XX	320	S	1.26	1.811	1.82	0.236
♦305207XX	350	S	30 1.181	50 2.047	50.20 2.056	8 0.276	♦324707XX	350	S	32 1.26	46 1.85	46.23 1.859	0.276
			30	52	52.23	7				32	47	47.23	7
♦305510XX	350	S	1.181 30	2.165 55	2.176 55.28	0.394 10	♦324808XX	350	S	1.26 32	1.89 48	1.898 48.20	0.315
♦305608XX	350	S	1.181 30	2.205 56	2.213 56.20	0.315 8	324939 324941	320 320	S S	1.625 1.750	2.116 2.565	2.127 2.571	0.312 0.313
♦306207XX	350	S	1.181	2.441	2.452	0.276					2.000	2.07 1	
			30	62	62.28	7	♦325008XX	350	S	1.26	1.969 50	1.978 50.23	0.315
♦306207XX	350	S	1.181	2.441	2.452	0.276	♦325207XX	350	S	32 1.26	2.047	2.058	0.27
♦307210XX	350	S	30 1.181	2.835	2028.00 2.845	7 0.394	♦325410XX	320	S	32 1.26	52 2.126	52.28 2.135	0.394
310841	310	S	30 2.750	72 3.125	72.27 3.130	10 0.187	♦325610XX	350	s	32 1.26	54 2.205	54.23 2.216	0.394
311189	310	S	0.375	0.687	0.693	0.156				32	56	56.28	10
312140	310	S	1.125	1.502	1.506	0.250	◆325808XX	320	S	1.26 32	2.283 58	2.291 58.20	0.315 8
312196	310	S	0.500	0.843	0.848	0.250	. 000000	000		4.00	0.000	0.07	0.045
312518	310	S	0.750	1.000	1.006	0.126	♦326008XX	320	S	1.26 32	2.362 60	2.37 60.20	0.315
313842 314259	310 310	S S	1.125 0.563	1.438 0.875	1.444 0.881	0.215 0.188	♦326010XX	480	S	1.26 32	2.362 60	2.37 60.20	0.394
314267N	310	N	0.625	1.000	1.006	0.125	♦326208XX	320	S	1.26	2.441	2.449	0.315
^21//00VV	220	S	1.00	1 700	1 74	0.215	♦327208XX	320	S	32 1.26	62 2.835	62.20 2.843	0.315
♦314408XX	320	3	1.22 31	1.732 44	1.74 44.20	0.315 8	207015	220	S	32	72 4 000	72.20 E 006	0.469
320249	320	V	1.378	1.890	1.898	0.299	327215 	320	3	4.000	4.998	5.006	0.468
320259→ 320348	320 320	V V	1.998 1.260	2.878 1.772	2.884 1.780	0.374 0.236	327303	320	S	4.500	5.251	5.259	0.437
320457	320	S	0.472	1.000	1.006	0.375	327878	320	S	1.312	-	0.200	0.350
							♦327995←	320	V	2.992 76	3.622 92	3.633 92.28	0.394
♦320564→	320	V	1.772 45	2.677 68	2.688 68.28	0.472 12	330385	330	S	0.375	0.750	0.756	0.252
♦320583→	320	S	1.693	2.362	2.373	0.354	330414	330	S	1.000	1.437	1.441	0.250
♦320595 ←	320	S	43 1.142	60 1.772	60.27 1.781	9 0.315	330663	330	S	1.375	1.874	1.880	0.311
320691	320	V	29 3.228	45 3.918	45.24 3.928	8 0.500	330699	330	S	0.500	0.875	0.879	0.187
321267	320	Š	0.875	1.375	1.381	0.250	330749V 331107N	330 330	V H	1.562 2.000	2.062 2.742	2.066 2.748	0.250 0.375

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
331173	330	S	0.701	1.160	1.164	0.250	342613	340	S	0.500	0.874	0.883	0.125
							342805 343098	340	S	0.500 1.000	0.687 1.247	0.696	0.094
331227H	330	Н	1.875	2.623	2.629	0.375	343098	340 340	S S	1.500	1.247 1.874	1.253 1.880	0.187 0.250
331228H $ ightarrow$	750	Ν	1.500	2.250	2.256	0.313	343033	340	3	1.500	1.074	1.000	0.230
331301N	330	N	2.000	2.562	2.566	0.528							
332062→	330	S	1.868	2.518	2.524	0.469	343101	340	S	0.437	0.625	0.634	0.126
332134	330	S	2.062	2.561	2.565	0.312	343104	340	S	0.250	0.500	0.509	0.125
-							343105 343123	340 340	S S	0.625 1.000	0.937 1.563	0.943 1.569	0.188 0.187
332271N	330	Ν	2.328	3.000	3.006	0.375	343185	340	S	0.750	1.125	1.131	0.156
♦ 334111	330	S	1.693	2.126	2.132	0.295		010		0.700	1.120	1.101	0.100
*32E010VV	320	S	43 1.299	54	54.15 1.978	7.50	040400	0.40	_	4.050	4 = 0.0	4 = 00	0.40=
♦335012XX	320	3	33	1.969 50	50.25	0.472 12	343186 ♦344508XX	340 320	S S	1.250 1.339	1.500 1.772	1.509 1.78	0.125 0.315
♦335206XX	320	S	1.299	2.047	2.057	0.236	◆ 344306∧∧	320	3	34	1.772 45	45.20	0.313
			33	52	52.25	6	345035	340	S	4.000	4.999	5.008	0.312
335924N	330	Ν	4.000	4.562	4.568	0.375	345146	340	S	3.500	4.499	4.508	0.250
							♦345208XX	320	S	1.339	2.047	2.058	0.315
337426N	330	Ν	9.250	10.250	10.258	0.500				34	52	52.28	8
340009	340	S	0.625	1.124	1.133	0.250	-						
340009S	340	S	0.625	1.124	1.133	0.250	♦345409XX	350	S	1.339	2.126	2.134	0.354
340120	340	S	1.000	1.500	1.509	0.252				34	54	54.20	9
340136	340	S	1.500	2.250	2.258	0.250	345448	340	S	5.250	6.250	6.264	0.251
							♦345509XX	320	S	1.339 34	2.165	2.173	0.354
340151	340	S	1.125	1.561	1.567	0.250	♦346210XX	350	S	1.339	55 2.441	55.20 2.448	9 0.394
340210	340	S	1.062	1.499	1.507	0.250	V040210XX	000	O	34	62	62.18	10
340356	340	S	1.250	1.685	1.694	0.188	350156	350	S	0.375	0.875	0.884	0.311
340385	340	S	0.375	0.750	0.756	0.250							
340387	340	S	0.625	0.812	0.821	0.094	350364	350	S	0.312	0.750	0.759	0.252
							350394	350	S	1.500	2.125	2.131	0.437
340400	340	S	1.750	2.250	2.258	0.250	350414	350	Š	1.000	1.437	1.443	0.252
340413	340	S	0.875	1.308	1.317	0.250	350435	350	S	0.250	0.750	0.759	0.244
340469	340	S	0.656	1.250	1.258	0.250	350567	350	S	0.875	1.375	1.384	0.252
340483	340	S	0.874	1.250	1.259	0.251							
340495	340	S	0.750	1.124	1.133	0.189	♦ 350572	350	V	1.575	2.835	2.844	0.276
-									•	40	72	72.24	7
340724	340	S	0.614	0.999	1.006	0.250	♦350609←	350	Ν	1.732	2.677	2.688	0.315
340771	340	S	0.490	0.875	0.883	0.250	350679	250	S	44 0.750	68 1.250	68.28	8
340787	340	S	0.937	1.375	1.383	0.250	350879	350 350	S	0.750 0.875	1.575	1.259 1.581	0.313 0.250
340797	340	S S	0.593	0.935	0.943	0.175	350909	350	S	1.000	1.500	1.509	0.230
340815	340	3	1.125	1.500	1.509	0.250				1.000	1.000	1.000	0.011
							050000	050	0	4 075	0.504	0.507	0.010
340817	340	S	1.187	1.627	1.635	0.250	350936	350	S	1.875	2.561	2.567	0.313
340823	340	S	1.875	2.502	2.511	0.250	350954 350974	350 350	S S	0.750 1.125	1.250 1.850	1.259 1.859	0.252 0.311
340826 340827	340 340	S S	0.312 0.375	0.500 0.562	0.509 0.571	0.125 0.125	351028	350	S	0.490	1.122	1.132	0.265
340835	340	S	1.125	1.374	1.383	0.125	351255	350	S	0.625	1.374	1.383	0.251
340033	040	J	1.125	1.074	1.000	0.123							
0.400.47		_	0.500	. ===	0.755	0.46-	351267	350	0	0 975	1 275	1.384	0.252
340847	340	S	0.500	0.750	0.759	0.125	351267 351466	350	S S	0.875 0.625	1.375 1.125	1.384	0.252
340849 340850	340 340	S S	0.625 0.875	0.875 1.187	0.881 1.196	0.126 0.188	351487	350	S	0.625	1.000	1.009	0.252
340853	340	S	1.375	1.750	1.756	0.187	351646	350	S	0.875	1.624	1.630	0.250
340872	340	S	0.156	0.500	0.504	0.187	352354	350	S	1.375	1.875	1.884	0.250
			27.30	3.000									
240000	0.40	0	0.000	0.740	0.705	0.050	352444	350	S	1.436	2.062	2.073	0.250
340900	340	S S	2.093	2.716	2.725	0.250	352521	350	S	1.500	2.002	2.011	0.252
340927 340930	340 340	S	1.562 1.438	2.096 2.000	2.102 2.011	0.250 0.125	352541	350	S	2.000	2.502	2.513	0.252
341022	340	S	2.250	2.625	2.636	0.123	352560	350	Š	1.125	1.561	1.567	0.250
342517	340	S	1.000	1.312	1.318	0.126	352637	350	S	2.250	3.035	3.046	0.374
	3.0					0.120							
240540	0.40	0	0.750	1 000	1 000	0.405	353120	350	S	1.875	2.397	2.408	0.250
342518	340	S	0.750	1.000	1.009	0.125	030120	550	J	1.073	2.001	2.400	0.200
							I						

Part Number	Style	Mati	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
353131 353132	350 350	S S	0.812 0.875	1.375 1.308	1.381 1.317	0.250 0.250	♦364707XX	350	S	1.417 36	1.85 47	1.858 47.20	0.276 7
353135	350	S	1.250	1.686	1.692	0.219	♦365007XX	470	S	1.417 36	1.969 50	1.972	0.276 7
353137	350	S	1.281	2.000	2.006	0.250	365008	360	S	2.687	3.876	3.876	0.250
353141	350	S	1.687	2.279	2.285	0.250	♦365207XX	350	S	1.417 36	2.047 52	2.055 52.20	0.276 7
353890 354040	350 350	S T	2.375 1.750	2.500	3.375 2.508	0.510 0.375							
354041 ◆354507XX	350 350	T S	1.771 1.378	2.622 1.772	2.628 1.778	0.500 0.276	♦365408XX	350	S	1.417 36	2.126 54	2.134 54.20	0.315 8
♥ 334307 XX	330	3	35	45	45.15	7	♦365610XX	350	S	1.417 36	2.205 56	2.215 56.25	0.394 10
♦354707XX	350	S	1.378	1.85	1.859	0.276	♦365808XX	470	S	1.417 36	2.283 58	2.293 58.25	0.315 8
			35	47	47.23	7	♦365812XX	350	S	1.417 36	2.283 58	2.293 58.23	0.472 12
♦354808XX	320	S	1.378	1.89	1.898	0.315	♦366007XX	320	S	1.417 36	2.362 60	2.37 60.20	0.276
♦355007XX	350	S	1.378 35	1.969 50	1.976 50.20	0.276 7	_					00.20	
♦355008XX	350	S	1.378 35	1.969 50	1.9778 50.24	0.315 8	♦366207XX	320	S	1.417 36	2.441 62	2.452 62.28	0.276 7
355200	350	S	4.500	5.500	5.514	0.500	♦366810XX	350	S	1.417	2.677	2.688	0.394
♦355207XX	350	S	1.378	2.047	2.055	0.276	♦375208XX	350	S	36 1.457	68 2.047	68.28 2.058	10 0.315
♦355208XX	330	S	35 1.378	52 2.047	52.20 2.052	7 0.315	♦385007XX	350	S	37 1.496	52 1.969	52.28 1.978	8 0.276
♦355408XX	350	S	35 1.378	52 2.126	52.13 2.134	0.315	♦385207XX	320	S	38 1.496	50 2.047	50.25 2.055	7 0.276
♦355508XX	470	S	35 1.378	54 2.165	54.20 2.174	0.315				38	52	52.20	7
			35	55	55.10	8	♦385308XX	320	S	1.496	2.087	2.094	0.315
♦355511XX	320	S	1.378 35	2.165 55	2.174 55.23	0.433 11	♦385407XX	480	S	38 1.496	53 2.126	53.20 2.133	8 0.276
255500	250		2.000	0.070	0.007	0.500	♦385410XX	320	S	38 1.496	54 2.126	54.18 2.133	7 0.394
355526 ◆355608XX	350 350	S S	3.000 1.378	3.876 2.205	3.887 2.213	0.500 0.315	♦385507XX	350	N	38 1.496	54 2.165	54.18 2.174	10 0.276
♦355610XX	320	S	35 1.378	56 2.205	56.20 2.215	8 0.394	♦385610XX	350	S	38 1.496	55 2.205	55.23 2.216	7 0.394
355669	350	S	35 3.040	56 3.937	56.27 3.946	10 0.250	4303010XX	330	J	38	56	56.28	10
355732	350	S	2.500	4.250	4.260	0.500	◆385808XX	470	S	1.496	2.283	2.288	0.315
♦355810XX	350	S	1.378	2.283	2.294	0.394	◆386008XX	320	s	38 1.496	58 2.362	58.11 2.37	0.315
♦356010XX	350	S	35 1.378	58 2.362	58.28 2.371	10 0.394				38	60	60.20	8
♦356207XX	350	S	35 1.378	60 2.441	60.23 2.452	10 0.276	♦386010XX	350	S	1.496	2.362	2.376 60.35	0.394
◆356210XX	350	S	35 1.378	62	62.28 2.449	7 0.394	♦386207XX	350	S	1.496 38	2.441 62	2.452 62.28	0.276 7
			35	2.441	62.20	10	♦386508XX	320	S	1.496 38	2.559 65	2.567 65.20	0.315 8
♦356408XX	470	N	1.378 35	2.52 64	2.525 64.13	0.315 8							
.050500VV	000		1.070	0.550	0.507	0.045	♦386808XX	320	S	1.496 38	2.677 68	2.685 68.20	0.315 8
♦356508XX	320	S	1.378	2.559	2.567 65.20	0.315	♦386810XX	320	S	1.496 38	2.677 68	2.685 68.20	0.394 10
♦356510XX	320	S	1.378	2.559	2.567 65.20	0.394	♦387010XX	350	S	1.496 38	2.756 70	2.764 70.20	0.394 10
♦357008XX	320	S	1.378 35	2.756 70	2.764 70.20	0.315 8	♦387210XX	350	S	1.496 38	2.835 72	2.843 72.20	0.394
♦357210XX	350	S	1.378 35	2.835 72	2.846 72.28	0.394 10	♦387408XX	320	S	1.496 38	2.913 74	2.921 74.20	0.315
357262H ←	350	S	5.250	-	-	0.500				30	/4	74.20	
◆358008XX	320	S	1.378	3.15	3.15	0.315	♦387411XX	320	Ν	1.496 38	2.913 74	2.921 74.20	0.433
	020	0	35	80	80.20	8	◆405008XX	350	S	1.575	1.969	1.976	0.315
										40	50	50.20	8

440520TXX	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
# *-406506XX*** 350 \$ 1.575 \$ 2.126 \$ 2.134 \$ 0.217 \$ 410524 \$ 410 \$ \$ 1.875 \$ 3.371 \$ 3.376 \$ 0.468 \$ 405506XX*** 350 \$ \$ 1.575 \$ 2.165 \$ 2.173 \$ 0.256 \$ 4106808 \$ 410 \$ \$ 2.375 \$ 3.488 \$ 3.489 \$ 0.500 \$ 410506XX*** 350 \$ \$ 1.575 \$ 2.265 \$ 2.173 \$ 0.315 \$ 410737 \$ 410 \$ \$ 2.250 \$ 3.258 \$ 3.490 \$ 0.458 \$ 4107008X*** 350 \$ \$ 1.575 \$ 2.244 \$ 2.252 \$ 0.394 \$ 4107808 \$ 410 \$ \$ \$ 2.375 \$ 3.623 \$ 3.623 \$ 3.624 \$ 0.458 \$ 4107808 \$ 410 \$ \$ \$ 2.257 \$ 3.362 \$ 3.623 \$ 3.623 \$ 3.624 \$ 0.458 \$ 4107808 \$ 410 \$ \$ \$ 2.257 \$ 3.622 \$ 3.628 \$ 3.623 \$ 3.623 \$ 3.623 \$ 3.623 \$ 3.624 \$ 0.458 \$ 4107808 \$ 410 \$ \$ \$ 2.257 \$ 3.625 \$ 3.62	◆405207XX	350	S					410520	410	S	2.250	3.000	3.006	0.374
*405506XX	◆405406XX	470	S	1.575	2.126	2.134	0.217	410524	410	0	1 075	2 271	2 276	0.469
405508XX 350 S 1.575 2.165 2.176 0.315 405607XX 320 S 1.575 2.265 62.20 7 405710XX 320 S 1.575 2.265 62.20 7 405810XX 320 S 1.575 2.263 2.291 0.315 405810XX 320 S 1.575 2.283 2.291 0.315 405810XX 320 S 1.575 2.283 2.291 0.315 4068010XX 320 S 1.575 2.283 2.291 0.315 4068010XX 350 S 1.576 2.441 2.245 0.276 4068010XX 350 S 1.575 2.481 2.451 0.315 4068010XX 350 S 1.575 2.477 2.697 0.315 4068010XX 350 S 1.575 2.677 2.697 0.315 4068010XX 350 S 1.575 2.677 2.697 0.315 4070808XX 350 S 1.575 2.677 2.697 0.315 4070808XX 350 S 1.575 2.877 2.897 0.472 4070808XX 350 S 1.575 3.071 3.079 0.316 4070808X 350 S 1.575 3.071 3.079 0.316 4068010XX 350 S 1.575 3.071 3.079 0.316 4070808X 350 S 1.575 3.071 3.079 0.316 4068010XX 350 S 1.575 3.071 3.079 0.316 4070808X 350 S 1.575 3.071 3.079 0.	◆405506XX	350	S					410686N		Ν	2.375	3.483	3.490	0.500
+405508XX				40	55	55.20	6.50							
+405607XX	◆405508XX	350	S											
+405710XX 320 S 1.575 2.244 2.252 0.394	♦405607XX	320	S	1.575	2.205	2.213	0.276	410752	410	S	2.500	3.251	3.258	0.374
+405808XX 350 S 1.575 2.283 2.291 0.315 410867X 410 N 2.125 2.871 3.376 0.487 440 58 58.28 10 +406510XX 320 S 1.575 2.283 2.294 0.394 410 N 2.125 3.371 3.376 0.487 +406510XX 350 S 1.575 2.362 2.37 +406610XX 350 S 1.575 2.362 2.37 +40620XX 350 S 1.575 2.362 2.37 +40620XX 320 S 1.575 2.41 2.445 0.315 +406202XX 350 S 1.575 2.41 2.451 0.563 +406212XX 350 S 1.575 2.575 2.575 0.503 +406212XX 350 S 1.575 2.677 2.709 0.315 +406610XX 350 S 1.575 2.677 2.687 0.472 +406808XX 350 S 1.575 2.677 2.687 0.472 +407808XX 320 S 1.575 2.575 2.576 2.677 0.408 8 82.5 +406812XX 350 S 1.575 2.575 2.576 2.677 0.408 8 82.5 +407008XX 320 S 1.575 2.575 2.576 2.687 0.472 +407808XX 320 S 1.575 2.575 2.576 2.687 0.472 +407808XX 350 S 1.575 3.071 3.079 0.394 +41208 +41208 +407810XX 350 S 1.575 3.071 3.079 0.394 +41208 +41208 +407810XX 350 S 1.575 3.071 3.079 0.394 +41208 +41208 +410 S 2.437 3.500 3.355 0.375 +407808XX 350 S 1.575 2.687 0.472 +407808XX 350 S 1.575 3.071 3.079 0.394 +41219 +41228 +410 S 2.437 3.500 3.355 0.355 0.468 +407810XX 350 S 1.575 2.756 2.764 0.315 +407810XX 350 S 1.575 3.071 3.020 0.315 +407810XX 350 S 1.575 3.071 3.020 0.315 +408010XX 350 S 1.575 3.071 3.020 0.394 +41228 +410 S 2.2438 3.251 3.256 0.438 +407810XX 350 S 1.575 3.071 3.079 0.394 +41228 +41228 +410 S 2.2438 3.251 3.256 0.438 +41229 +410 S 2.2375 3.350 3.355 0.468 +412473 +410 S 2.2375 3.350 3.355 0.468 +412473 +410 S 2.2375 3.350 3.355 0.468 +412473 +410 S 2.2375 3.350 3.355 0.375 +41248 +410 S 2.2437 3.500 3.355 0.375 +41248 +410 S 2.437 3.500 3.355 0.375 +412404 +410 S 2.255 3.350 3.355 0.468 +41248 +410 S 2.255 3.350 3.355 0.468 +41248 +410 S 2.255 3.371 3.378 0.375 +41248 +410 S 2.255 3.350 3.355 0.468 +41248 +410 S 2.255 3.350 3.355 0.468 +41248 +410 S 2.255 3.350 3.355 0.375 +41248 +410 S 2.255 3.350 3.355 0.468 +41248 +410 S 2.255 3.350 3.355 0.375 +41248 +410 S 2.255 3.350 3.355 0.375 +41248 +41248 +	◆405710XX	320	S	1.575	2.244	2.252	0.394	410825						
+405810XX 320 S 1.575 2.283 2.294 10 +406010XX 350 S 1.575 2.362 2.37 410087 410 S 2.375 3.483 3.490 0.500 +406207XX 350 S 1.575 2.362 2.37 10 4112455 410 S 2.437 3.500 3.055 0.375 +406207XX 350 S 1.575 2.441 2.441 0.276 411253 410 S 2.237 3.408 0.355 0.375 +406208XX 320 S 1.575 2.441 2.451 0.156 411275 410 V 2.289 3.481 0.488 +406208XX 350 S 1.575 2.659 2.57 0.944 411330N 410 N 2.598 3.481 3.488 0.488 +406510XX 350 S 1.575 2.659 2.57 0.994 411308 410 N 2.288	♦405808XX	350	S	1.575	2.283	2.291	0.315							
*406010XX 350 S 1.575 2.362 2.37	◆405810XX	320	S	1.575	2.283	2.294	0.394							
4406010XX 350 S 1.575 2.982 2.37 411253 410 S 2.437 3.500 3.505 0.355 0.375 406207XX 350 S 1.575 2.441 2.449 0.276 411275 410 V 3.250 3.550 3.355 0.375 406208XX 320 S 1.575 2.441 2.451 0.355 8 411330 410 V 3.258 3.481 3.488 0.438 4406212XX 350 S 1.575 2.579 2.57 0.394 411330 410 N 2.598 3.481 3.488 0.438 4406510XX 350 S 1.575 2.677 2.679 0.315 411394 410 N 2.598 3.481 3.488 0.438 4406810XX 350 S 1.575 2.677 2.687 0.472 411394 410 N 2.212 3.000 3.050 0.375 440				40	58	58.28	10							
+406207XX	◆406010XX	350	S	1.575	2.362	2.37								
*406208XX 320					60	60.20								
+406212XX 350 S 1.575 2.441 2.456 0.563 411330 410 S 2.598 3.481 3.488 0.438 +406210XX 350 S 1.575 2.559 2.25 3.257 0.394 411348 410 S 2.812 4.249 4.254 0.468 +406808XX 350 S 1.575 2.677 2.709 0.315 411394 410 S 2.312 3.251 3.256 0.375 +406808XX 350 S 1.575 2.677 2.709 0.315 412015V 410 S 2.437 3.350 3.355 0.375 +406812XX 350 S 1.575 2.677 2.709 0.315 412015V 410 V 2.125 3.000 3.000 3.075 +407008XX 320 S 1.575 2.756 2.764 0.315 412028 410 S 2.437 3.350 3.355 0.437				40	62	62.20	7	411275	410	V	3.230	4.249	4.254	0.400
+406510XX	◆406208XX	320	S					411330	410	S	2.598	3.481	3.488	0.438
+406510XX 350 S 1.575 2.559 2.57 0.394 411376 410 S 2.250 3.500 3.050 3.0375 +406808XX 350 S 1.575 2.677 2.709 0.315 411500 410 S 2.2437 3.350 3.256 0.375 +406812XX 350 S 1.575 2.677 2.687 0.472 412015V 410 S 2.437 3.350 3.256 0.375 +407008XX 320 S 1.575 2.766 2.764 0.315 42027 410 S 2.437 3.256 0.375 +407008XX 350 S 1.575 2.835 2.2848 0.276 412027 410 S 2.437 3.251 3.256 0.437 +407810XX 350 S 1.575 3.071 3.079 0.344 412038 410 S 2.438 3.251 3.256 0.438 +407810XX 350	♦406212XX	350	S											
4406808XX 350 S 1.575 2.677 2.709 0.315 4406812XX 350 S 1.575 2.677 2.687 0.472 411500 410 S 2.437 3.350 3.355 0.375 407008XX 320 S 1.575 2.676 2.764 0.315 412027 410 S 2.000 3.256 0.437 407008XX 320 S 1.575 2.835 2.848 0.276 412028 410 S 2.000 3.256 0.437 407207XX 350 S 1.575 2.835 2.848 0.276 412038 410 N 2.375 3.251 3.256 0.437 407808XX 320 S 1.575 3.071 3.079 0.394 412038 410 S 2.438 3.251 3.258 0.438 407810XX 350 S 1.575 3.071 3.079 0.394 412219 410 S 2.	◆406510XX	350	S	1.575	2.559	2.57	0.394							
4406812XX 350 S 1.575 2.677 2.687 0.472 412015V 410 V 2.125 3.000 3.006 0.374 407008XX 320 S 1.575 2.676 0.472 412027 410 S 2.000 3.256 0.437 407207XX 350 S 1.575 2.756 2.764 0.315 412028 410 N 2.375 3.251 3.256 0.437 407207XX 350 S 1.575 2.077 70.208 8 42038N 410 N 2.375 3.251 3.256 0.437 407808XX 320 S 1.575 3.071 3.102 0.315 412119 410 S 2.438 3.251 3.258 0.438 407810XX 350 S 1.575 3.071 3.079 0.394 412119 410 S 2.438 3.251 0.375 4080 80 28 10 42275				40	65	65.28	10	411394	410	S	2.312	3.251	3.256	0.375
4406812XX 350 S 1.575 2.677 2.687 0.472 412027 410 S 2.000 3.251 3.256 0.437 407008XX 320 S 1.575 2.756 2.764 0.315 70 70.20 8 412028 410 S 2.000 3.251 3.256 0.437 407207XX 350 S 1.575 2.835 2.764 0.315 7 412028 410 N 2.375 3.251 3.256 0.437 407808XX 320 S 1.575 3.071 3.102 0.315 412040 410 S 2.438 3.251 3.258 0.438 407810XX 350 S 1.575 3.071 3.079 0.394 41273 410 S 2.438 3.251 3.256 0.437 407810XX 350 S 1.575 3.15 3.611 0.394 412725 410 N 2.000 3.155 0.375 <th>◆406808XX</th> <th>350</th> <th>S</th> <th></th>	◆406808XX	350	S											
407008XX 320 S 1.575 2.756 8.29 0.315 412038N 410 S 2.000 3.355 0.468 407207XX 350 S 1.575 2.835 2.848 0.276 412038N 410 N 2.375 3.251 3.256 0.437 407808XX 350 S 1.575 3.071 3.102 0.315 412040 410 S 2.438 3.251 3.258 0.438 407810XX 350 S 1.575 3.071 3.079 0.394 412119 410 S 2.438 3.251 3.258 0.438 407810XX 350 S 1.575 3.151 3.161 0.394 4122725 410 S 2.002 3.055 0.375 408010XX 350 S 1.575 3.543 3.551 0.315 412275 410 N 2.062 3.000 3.055 0.375 410059 410 S 1.57	◆406812XX	350	S			2.687								
◆407207XX 350 S 1.575 2.835 2.848 0.276 ◆407808XX 320 S 1.575 2.835 2.848 0.276 ◆407808XX 320 S 1.575 3.071 3.102 0.315 412119 410 S 2.438 3.251 3.258 0.438 ◆407810XX 350 S 1.575 3.071 3.079 0.394 412119 410 S 2.438 3.251 4.325 0.375 ◆408010XX 350 S 1.575 3.15 3.161 0.394 412798N 410 N 2.062 3.000 3.055 0.375 ◆409008XX 350 S 1.575 3.543 3.551 0.315 4128871 410 S 2.2375 3.543 3.550 0.374 410059 410 S 1.500 2.374 2.380 0.311 4129871 410 S 2.255 3.371 3.378 0.374	◆407008XX	320	S	1.575	2.756	2.764	0.315	412028	410	S	2.000	3.350	3.355	0.468
4407808XX 320 S 1.575 40 3.071 78 3.102 78 0.315 8 41240 412473 410 410 412473 410 S 2.375 3.350 3.251 3.355 3.355 3.258 3.355 3.355 0.375 3.355 4407810XX 350 S 1.575 40 3.079 78 0.394 78.20 78.20 10 412473 41273 410 410 410 410 410 410 410 409008XX 350 409 409008XX S 1.575 3.543 3.551 3.543 3.551 3.543 3.551 3.543 3.551 3.551 3.002 3.002 412861 412861 410 410085 410 52.250 2.125 3.3661 3.061 3.061 3.067 3.067 3.067 3.074 4.000	♦407207XX	350	S	1.575	2.835	2.848	0.276	41203014	410	IN	2.075	0.201	3.230	0.437
40 78 78.80 8 412173 410 S 2.337 4.375 4.382 0.373 407810XX 350 S 1.575 3.071 3.079 0.394 412725 410 S 2.300 3.150 3.155 0.375 408010XX 350 S 1.575 3.15 3.161 0.394 412798N 410 N 2.062 3.000 3.055 0.437 408010XX 350 S 1.575 3.543 3.551 0.315 412798N 410 N 2.062 3.000 3.055 0.437 409008XX 350 S 1.575 3.543 3.551 0.315 412871 410 S 2.375 3.543 3.550 0.357 410059 410 S 2.000 2.995 3.002 0.500 412920V 410 V 2.250 3.371 3.378 0.374 410085N 410 N 2.000 3.935	◆407808XX	320	S											
◆407810XX 350 S 1.575 3.071 3.079 0.394 410 N 2.062 3.000 3.005 0.437 ◆408010XX 350 S 1.575 3.15 3.161 0.394 40 80 80.28 10 412861 410 S 2.375 3.543 3.550 0.500 ◆409008XX 350 S 1.575 3.543 3.551 0.315 412861 410 S 2.625 3.350 3.355 0.375 410059 410 S 1.500 2.374 2.380 0.311 412920 410 S 2.250 3.371 3.378 0.374 410085 410 N 2.000 2.995 3.002 0.500 412920 410 N 2.250 3.371 3.378 0.374 410085 410 N 2.000 2.995 3.002 0.500 413246 410 S 2.375 3.251 3.258 0.374						78.80								
408010XX 350 S 1.575 40 3.16 80 0.394 80.28 410 10 412861 410 410 80 S 2.375 40 3.543 90 3.551 90 0.500 4409008XX 350 S 1.575 40 3.543 90 3.551 90.20 0.315 81290 410 410 S 2.625 410 410 8 2.625 2.250 3.371 3.371 3.378 3.371 3.378 3.371 3.378 3.370 3.350 3.355 3.355 3.543 412920 0.500 412861 412871 410 41	▲407010VV	250	6	1 575	2.071	2.070	0.204							
4409008XX 350 S 1.575 3.543 3.551 0.315 412871 410 S 2.355 3.543 3.550 0.305 4090908XX 350 S 1.575 3.543 3.551 0.315 412871 410 S 2.625 3.350 3.355 0.374 410059 410 S 1.500 2.374 2.380 0.311 412920V 410 V 2.250 3.371 3.378 0.374 410085N 410 N 2.000 2.995 3.002 0.500 412943 410 S 2.375 3.350 3.355 0.375 410085N 410 N 2.000 2.995 3.002 0.500 413246 410 S 2.375 3.251 3.258 0.375 410101N 410 N 2.300 3.371 3.378 0.468 413247 410 S 2.375 3.371 3.378 0.375 410119 41				40	78	78.20	10	412796N	410	IN	2.002	3.000	3.005	0.437
410059 410 S 1.500 2.374 2.380 0.311 412920 410 V 2.250 3.371 3.378 0.374 410085 410 S 2.000 2.995 3.002 0.500 412943 410 V 2.250 3.371 3.378 0.374 410085N 410 N 2.000 2.995 3.002 0.500 413246 410 S 2.375 3.251 3.258 0.374 410101N 410 N 2.000 2.995 3.002 0.500 413246 410 S 2.375 3.251 3.258 0.374 41011N 410 N 2.375 3.350 3.355 0.468 413247 410 S 2.375 3.251 3.258 0.375 410119 410 S 0.500 0.999 1.005 0.252 413469 410 S 2.125 3.371 3.372 0.375 410183 410	◆408010XX	350	S						410			3.543		0.500
410059 410 S 1.500 2.374 2.380 0.311 412920V 410 V 2.250 3.371 3.378 0.374 410085N 410 N 2.000 2.995 3.002 0.500 412943 410 S 2.187 3.350 3.355 0.375 410085N 410 N 2.000 2.995 3.002 0.500 413246 410 S 2.375 3.251 3.258 0.374 410101N 410 N 2.375 3.350 3.355 0.468 413247 410 S 2.375 3.251 3.258 0.374 410102 410 S 2.000 3.371 3.378 0.468 413247 410 S 2.375 3.371 3.378 0.438 410119 410 S 0.500 0.999 1.005 0.252 413469 410 S 2.125 3.371 3.376 0.375 410154 410 S 1.687 2.502 2.508 0.311 413472 410 S	◆409008XX	350	S	40										
410085N 410 N 2.000 2.995 3.002 0.500 413246 410 S 2.375 3.251 3.258 0.374 410101N 410 N 2.375 3.350 3.355 0.468 413247 410 S 2.375 3.371 3.378 0.375 410102 410 S 2.000 3.371 3.378 0.469 413248 410 S 2.625 3.371 3.378 0.438 410119 410 S 0.500 0.999 1.005 0.252 413469 410 S 2.125 3.350 3.355 0.375 410135 410 S 1.375 2.125 2.131 0.311 413470 410 S 2.125 3.371 3.376 0.375 410163 410 S 1.250 2.000 2.006 0.438 413478 410 S 2.437 3.371 3.376 0.375 410183N 410				1.500	2.374	2.380	0.311	412920V	410		2.250	3.371	3.378	0.374
410101N 410 N 2.375 3.350 3.355 0.468 413247 410 S 2.375 3.371 3.378 0.469 410102 410 S 2.000 3.371 3.378 0.469 413248 410 S 2.625 3.371 3.378 0.438 410119 410 S 0.500 0.999 1.005 0.252 413469 410 S 2.125 3.350 3.355 0.375 410135 410 S 1.375 2.125 2.131 0.311 413470 410 S 2.125 3.371 3.378 0.438 410154 410 S 1.687 2.502 2.508 0.311 413470 410 S 2.125 3.371 3.376 0.375 410163 410 S 1.250 2.000 2.006 0.438 413478 410 S 2.437 3.371 3.376 0.375 410180 S 1.500 2.561 2.565 0.500 413479 410 S 2.562	410085	410	S	2.000	2.995	3.002	0.500	412943	410	S	2.187	3.350	3.355	0.375
410102 410 S 2.000 3.371 3.378 0.469 413248 410 S 2.625 3.371 3.378 0.438 410119 410 S 0.500 0.999 1.005 0.252 413469 410 S 2.125 3.350 3.355 0.375 410135 410 S 1.375 2.125 2.131 0.311 410 S 2.125 3.371 3.372 0.375 410154 410 S 1.687 2.502 2.508 0.311 413470 410 S 2.187 3.371 3.376 0.375 410163 410 S 1.250 2.000 2.066 0.438 413478 410 S 2.437 3.371 3.376 0.375 410183N 410 N 1.750 2.750 2.756 0.311 413479 410 S 2.562 3.481 3.486 0.375 410316 410 S 2.125 3.061 3.067 0.500 414045 410 S 1.625														
410119 410 S 0.500 0.999 1.005 0.252 413469 410 S 2.125 3.350 3.355 0.375 410135 410 S 1.375 2.125 2.131 0.311 413470 410 S 2.125 3.371 3.372 0.375 410154 410 S 1.687 2.502 2.508 0.311 413472 410 S 2.187 3.371 3.376 0.375 410163 410 S 1.250 2.000 2.006 0.438 413478 410 S 2.437 3.371 3.376 0.375 410183N 410 N 1.750 2.750 2.756 0.311 413479 410 S 2.562 3.481 3.486 0.375 410308 410 S 2.125 3.061 3.067 0.500 413818 410 S 1.875 2.782 2.786 0.500 410312N 410 N 2.125 3.125 3.125 3.258 0.500 414268 410														
410154 410 S 1.687 2.502 2.508 0.311 413472 410 S 2.187 3.371 3.376 0.375 410163 410 S 1.250 2.000 2.066 0.438 413478 410 S 2.437 3.371 3.376 0.375 410183N 410 N 1.750 2.750 2.756 0.311 413479 410 S 2.562 3.481 3.486 0.375 410190 410 S 1.500 2.561 2.565 0.500 413818 410 S 1.969 2.756 2.760 0.276 410312N 410 N 2.125 3.125 3.130 0.500 410316 410 S 2.250 3.251 3.258 0.500 414268 410 S 1.625 3.000 3.004 0.312 410496 410 S 2.500 3.350 3.355 0.468 415001 410 S 2.500 3.543 3.548 0.500	410119	410	S	0.500	0.999	1.005	0.252	413469			2.125	3.350	3.355	0.375
410163 410 S 1.250 2.000 2.006 0.438 413478 410 S 2.437 3.371 3.376 0.375 410183N 410 N 1.750 2.750 2.756 0.311 413479 410 S 2.562 3.481 3.486 0.375 410190 410 S 1.500 2.561 2.565 0.500 413818 410 S 1.969 2.756 2.760 0.276 410312N 410 N 2.125 3.125 3.130 0.500 414045 410 S 1.875 2.782 2.786 0.500 410316 410 S 2.250 3.251 3.258 0.500 414268 410 S 1.625 3.000 3.004 0.312 410496 410 S 2.500 3.350 3.355 0.468 415001 410 S 2.500 3.543 3.548 0.500	410135	410	S	1.375	2.125	2.131	0.311	413470	410	S	2.125	3.371	3.372	0.375
410183N 410 N 1.750 2.750 2.756 0.311 413479 410 S 2.562 3.481 3.486 0.375 410190 410 S 1.500 2.561 2.565 0.500 413818 410 S 1.969 2.756 2.760 0.276 410312N 410 N 2.125 3.125 3.130 0.500 414045 410 S 1.875 2.782 2.786 0.500 410316 410 S 2.250 3.251 3.258 0.500 414268 410 S 1.625 3.000 3.004 0.312 410496 410 S 2.500 3.350 3.355 0.468 415001 410 S 2.500 3.548 0.500														
410190 410 S 1.500 2.561 2.565 0.500 413818 410 S 1.969 2.756 2.760 0.276 410312N 410 N 2.125 3.125 3.130 0.500 410316 410 S 2.250 3.251 3.258 0.500 410496 410 S 2.500 3.350 3.355 0.468														
410312N 410 N 2.125 3.125 3.130 0.500 410316 410 S 2.250 3.251 3.258 0.500 410496 410 S 2.500 3.350 3.355 0.468	410190	410	S	1.500	2.561	2.565	0.500				1.969	2.756	2.760	0.276
410316 410 S 2.250 3.251 3.258 0.500 414268 410 S 1.625 3.000 3.004 0.312 410496 410 S 2.500 3.350 3.355 0.468 415001 410 S 2.500 3.543 3.548 0.500	410308	410	S	2.125	3.061	3.067	0.500	414045	410	S				
410496 410 S 2.500 3.350 3.355 0.468 415001 410 S 2.500 3.543 3.548 0.500								414060	440		1.005	0.000	0.004	0.010
I I														

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
415003	410	S	2.625	3.623	3.630	0.469	415192N	410	N	4.000	5.251	5.256	0.468
415004	410	S	2.750	3.751	3.758	0.374	415196	410	S	4.250	5.375	5.383	0.500
415007	410	S	2.625	3.876	3.881	0.468	415213N	410	N	4.750	5.999	6.007	0.625
415009	410	S	2.750	3.876	3.883	0.438	415219	410	S	9.250	11.250	11.260	0.750
415009N	410	N	2.750	3.876	3.883	0.438	415227	410	S	10.500	12.500	12.508	1.000
415012V	410	V	2.937	4.003	4.008	0.468	415234	410	S	2.250	3.623	3.630	0.469
415013	410	S	3.000	4.003	4.010	0.437	415248N	410	N	2.375	3.543	3.548	0.500
415013N	410	N	3.000	4.003	4.010	0.437	415254	410	S	2.250	4.003	4.010	0.469
415016N	410	N	3.125	4.249	4.254	0.625	415259	410	S	2.250	3.750	3.757	0.500
15021	410	S	3.125	4.999	5.004	0.468	415263	410	S	3.937	5.376	5.384	0.500
115023	410	S	3.250	4.999	5.004	0.468	415272N	410	N	2.750	4.003	4.010	0.438
115025	410	S	3.375	4.999	5.004	0.468	415281N	410	N	3.000	3.751	3.758	0.500
415027H	410	H	3.500	4.999	5.004	0.468	415284	410	S	4.687	5.751	5.756	0.500
415027N	410	N	3.500	4.999	5.004	0.468	415294	410	S	6.500	7.500	7.508	0.562
115034	410	S	3.937	4.999	5.004	0.468	415295	410	S	4.187	4.999	5.004	0.468
415035	410	S	4.000	4.998	5.006	0.468	415302	410	S	2.562	3.500	3.505	0.375
415036	410	S	4.000	5.501	5.506	0.562	415303	410	S	2.875	3.623	3.630	0.374
415041 415042	410	S	4.000	5.751	5.756	0.562	415304	410	S	3.250	4.249	4.256	0.469
415043	410	S	4.125	5.751	5.756	0.562	415317	410	S	7.375	9.000	9.010	0.750
415045	410	S	4.250	5.751	5.756	0.562	415322	410	S	2.750	3.543	3.550	0.438
415047	410	S	4.375	5.751	5.756	0.562	415327	410	S	6.750	8.000	8.009	0.625
415052	410	S	8.000	10.125	10.133	0.750	415349	410	S	2.125	3.543	3.550	0.500
415058	410	S	4.250	6.250	6.256	0.562	415350	410	S	2.187	3.623	3.628	0.468
415060	410	S	4.375	6.250	6.256	0.562	415351	410	S	4.500	6.250	6.256	0.500
415064	410	S	4.625	6.250	6.256	0.562	415371	410	S	4.625	5.751	5.756	0.562
415066	410	S	4.750	6.251	6.259	0.563	415379	410	S	3.750	4.750	4.758	0.500
415072	410	S	6.000	7.500	7.508	0.562	415389	410	S	3.625	4.499	4.504	0.468
415074	410	S	6.125	7.500	7.508	0.562	415389N	410	N	3.625	4.499	4.504	0.468
415076	410		11.500	13.500	13.508	0.750	415394	410	S	3.125	5.251	5.256	0.468
415077	410		11.500	13.000	13.010	0.750	415425	410	S	4.375	5.376	5.381	0.500
415082	410	S	2.500	3.876	3.881	0.468	415436	410	S	3.625	5.751	5.756	0.562
415082N	410	N	2.500	3.876	3.881	0.468	415437	410	S	3.500	4.750	4.758	0.500
415085	410	S	3.313	4.500	4.507	0.438	415442	410	S	3.375	4.125	4.130	0.375
115086N	410	N	3.000	4.249	4.254	0.468	415447	410	S	5.750	6.624	6.632	0.625
115088	410	S	3.000	4.501	4.508	0.433	415449	410	S	2.500	3.500	3.507	0.374
415090	410	S	9.000	11.000	11.008	0.750	415449V	410	V	2.500	3.500	3.507	0.374
415098N	410	N	2.562	3.500	3.505	0.500	415458	410	S	2.625	3.623	3.630	0.374
415116	410	S	7.250	8.750	8.759	0.750	415458V	410	V	2.625	3.623	3.630	0.374
415124	410	S	8.250	10.250	10.260	0.750	415482	410	S	11.000	13.000	13.010	0.750
415128	410	S	8.750	10.750	10.758	0.750	415483	410	S	2.625	3.500	3.507	0.374
415137	410	S	3.250	4.500	4.507	0.438	415498	410	S	3.562	4.499	4.504	0.468
415138	410	S	4.750	5.750	5.758	0.500	◆415507XX	320	S	1.614	2.165	2.177	0.276
								320	<u> </u>	41	55	55.29	7
415142 415146	410 410	S	4.125 3.500	5.251 4.499	5.256 4.504	0.468 0.468	415551	410	S	7.500	9.000	9.010	0.750
415147	410	S	2.500	3.500	3.507	0.500	415551V	410	V	7.500	9.000	9.010	0.750
415147N	410	N	2.500	3.500	3.507	0.500	415559	410	S	3.500	5.251	5.256	0.468
415150	410	S	3.750	5.251	5.256	0.468	415563 415577	410 410	S S	3.250 3.250	4.003 4.723	4.008 4.729	0.468 0.468
415156N 415164N 415187	410 410 410	N N S	3.125 3.375 4.000	4.125 4.376 4.876	4.130 4.381 4.881	0.562 0.625 0.625	◆415607XX	350	S	1.614 41	2.205 56	2.215 56.25	0.276

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Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
415610	410	S	5.500	7.000	7.007	0.625	416112	410	S	5.375	7.874	7.881	0.750
415627	410	S	2.000	3.500	3.505	0.500	416125	410	S	3.625	4.999	5.007	0.500
415645	410	S	5.250	6.500	6.507	0.562	416127	410	S	3.750	5.376	5.381	0.500
415656	410	S	8.000	9.000	9.010	0.750	416130	410	S	4.000	5.375	5.383	0.500
415000	410		0.000	7.000	7.000	0.500	416105	410		4.050	F 00F	F C00	0.500
415683	410	S	6.000	7.000	7.008	0.500	416135	410	S	4.250	5.625	5.633	0.500
415697	410	S	3.875	5.125	5.133	0.500	416137	410	S	4.250	5.999	6.005	0.500
415711	410	S	3.562	4.625	4.631	0.500	416144	410	S	4.312	5.999	6.005	0.500
415725	410	S	5.000	6.001	6.009	0.500	416147	410	S	4.375	5.626	5.631	0.500
415832	410	S	3.625	5.375	5.381	0.500	416149	410	S	4.375	5.999	6.005	0.500
415836	410	S	3.000	4.003	4.010	0.437	416153	410	S	4.500	5.625	5.631	0.500
415854	410	S	6.250	7.875	7.884	0.750	416154	410	S	4.500	6.000	6.014	0.500
415857	410	S	2.375	3.601	3.608	0.437	416156	410	S	4.625	5.625	5.631	0.500
415867	410	S	7.500	8.500	8.510	0.625	416158	410	S	4.625	5.999	6.007	0.500
415871	410	S	9.375	11.375	11.385	0.750	416163	410	S	4.812	5.999	6.007	0.500
415876	410	S	7.000	9.313	9.321	0.625	416167	410	S	4.875	5.999	6.007	0.500
415876V	410	S V	7.000	9.313	9.321	0.625	416191	410	S	5.500	7.125	7.133	0.625
415894	410	v S	3.375	4.376	9.321 4.383	0.625	416191	410	S	6.500	8.000	8.009	0.625
		S											
415897	410		5.000	6.877	6.884	0.625	416257	410	S S	9.250	11.000	11.008	0.750
415899N	410	N	3.500	4.375	4.381	0.562	416267	410	3	2.125	3.500	3.505	0.375
415937	410	S	3.625	4.750	4.758	0.500	416268	410	S	2.187	3.500	3.505	0.375
415938	410	S	5.375	6.624	6.632	0.562	416270	410	S	2.250	3.543	3.548	0.500
415953	410	S	4.000	4.999	5.007	0.500	416271	410	S	2.375	3.500	3.507	0.374
415958	410	S	3.875	5.376	5.381	0.500	416271A	410	Α	2.375	3.500	3.507	0.374
415960	410	S	2.750	3.876	3.883	0.438	416273	410	S	2.500	3.623	3.630	0.374
415962	410	S	3.000	4.331	4.336	0.500	416278	410	S	2.625	4.249	4.254	0.468
415983	410	Š	3.750	4.500	4.507	0.468	416282	410	Š	2.750	4.249	4.254	0.468
415983N	410	Ň	3.750	4.500	4.507	0.468	416285	410	Š	2.875	4.249	4.254	0.500
415983V	410	V	3.750	4.500	4.507	0.468	416288	410	S	3.125	4.249	4.256	0.500
415984	410	Š	2.750	3.623	3.630	0.374	416292	410	Š	3.312	4.248	4.255	0.437
445000	440		0.500	0.000	0.005	0.075	44.000.4	440		0.075	4.040	4.050	0.500
415988	410	S	2.562	3.623	3.625	0.375	416294	410	S	3.375	4.249	4.256	0.500
415991	410	S	3.500	4.501	4.506	0.438	416294V	410	V	3.375	4.249	4.256	0.500
415991N	410	N	3.500	4.501	4.506	0.438	416297	410	S	3.125	4.626	4.633	0.438
415995	410	S	3.000	4.003	4.008	0.375	416313	410	S	3.312	4.751	4.756	0.500
415995A	410	Α	3.000	4.003	4.008	0.375	416321	410	S	3.375	4.751	4.756	0.500
415995V	410	V	3.000	4.003	4.008	0.375	416327	410	S	3.375	5.251	5.256	0.468
416008	410	S	6.750	8.500	8.509	0.625	416332	410	S	3.625	4.625	4.631	0.437
416011	410	S	3.125	4.125	4.132	0.500	416339	410	S	3.750	4.999	5.007	0.500
416024	410	S	3.125	4.751	4.756	0.500	416345	410	S	3.875	4.999	5.007	0.500
416029	410	S	5.750	7.874	7.881	0.750	416362	410	S	6.750	8.007	8.017	0.625
/16020N	410	N.I	5 750	7 07/	7 901	0.750	416364	/10	0	7 000	g 000	g 000	0.625
416029N	410	N	5.750	7.874	7.881	0.750	416364 416370	410	S	7.000	8.000	8.009	0.625
416039	410	S	5.750	7.500	7.508	0.562		410	S	3.000	4.751	4.756 5.506	0.625
416041	410	S	3.750	4.626 5.751	4.633 5.756	0.500	416380	410	S	4.375	5.500		0.500
416043	410	S	3.875	5.751	5.756	0.562	416381	410	S	9.625	12.750	12.758	1.250
416044	410	S	7.250	8.250	8.257	0.625	416383	410	S	10.750	13.374	13.381	1.250
416047	410	S	3.625	4.626	4.633	0.500	416394	410	S	8.500	10.625	10.633	0.750
416070	410	S	4.500	6.125	6.131	0.562	416404	410	S	3.125	4.003	4.010	0.438
416071	410	S	2.375	3.751	3.756	0.500	416422	410	S	8.250	11.500	11.507	0.750
416077	410	S	7.125	8.625	8.632	0.562	416444	410	S	2.312	3.500	3.505	0.375
416102	410	S	7.625	8.625	8.632	0.562	416470N	410	N	3.250	4.249	4.254	0.375
416107	410	S	5.500	6.750	6.758	0.575	416476	410	S	5.875	7.125	7.133	0.500
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416500 416556 416557 416624 416624 416654 416657 416664 416670 416670 416674V 416706 416738 416775 416888 416891 416892 416919 416919N 416921 416956	410 410 410 410 410 410 410 410 410 410	SSSS NSSSS SYSSS	2.938 4.250 5.125 3.500 3.500 2.937 8.875 2.750 5.750 3.687 7.000 2.750 2.062 2.937	3.938 5.250 6.125 4.376 4.376 4.003 10.122 3.500 7.001 5.250 8.375 4.003	3.945 5.258 6.131 4.383 4.008 10.130 3.507 7.008	0.500 0.500 0.500 0.500 0.500 0.375 0.750 0.374 0.562	417262 417262V 417267 417269 417273 417278 417283	410 410 410 410 410 410 410	8>88	5.250 5.250 4.875 4.875 4.937 5.000 7.500	6.250 6.250 6.125 6.250 6.250	6.256 6.256 6.131 6.256 6.256 6.381	0.500 0.500 0.500 0.500 0.500
416557 416624N 416624N 416654 416657 416666 416670 416674V 416706 416738 416775 416888 416891 416892 416919N 416921 416951	410 410 410 410 410 410 410 410 410 410	\$\$ Z\$\$\$\$\$ \$>\$\$\$\$\$	5.125 3.500 3.500 2.937 8.875 2.750 5.750 3.687 7.000 2.750 2.062	6.125 4.376 4.376 4.003 10.122 3.500 7.001 5.250 8.375	6.131 4.383 4.383 4.008 10.130 3.507 7.008	0.500 0.500 0.500 0.375 0.750 0.374	417267 417269 417273 417278 417283	410 410 410 410 410	S S S	4.875 4.875 4.937 5.000	6.125 6.250 6.250 6.375	6.131 6.256 6.256 6.381	0.500 0.500 0.500 0.500
416624 416624N 416654 416657 416664 416666 416670 416674V 416706 416738 416775 416888 416891 416892 416919N 416921 416951	410 410 410 410 410 410 410 410 410 410	S	3.500 2.937 8.875 2.750 5.750 3.687 7.000 2.750 2.062	4.376 4.376 4.003 10.122 3.500 7.001 5.250 8.375	4.383 4.383 4.008 10.130 3.507 7.008	0.500 0.500 0.375 0.750 0.374	417269 417273 417278 417283	410 410 410 410	S S S	4.875 4.937 5.000	6.250 6.250 6.375	6.256 6.256 6.381	0.500 0.500 0.500
416624N 416654 416657 416664 416666 416670 416674V 416706 416738 416775 416885 416888 416891 416892 416919 416919N 416921 416951	410 410 410 410 410 410 410 410 410 410	X \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3.500 2.937 8.875 2.750 5.750 3.687 7.000 2.750 2.062	4.376 4.003 10.122 3.500 7.001 5.250 8.375	4.383 4.008 10.130 3.507 7.008	0.500 0.375 0.750 0.374	417273 417278 417283	410 410 410	S S	4.937 5.000	6.250 6.375	6.256 6.381	0.500
416654 416657 416664 416666 416670 416674V 416706 416738 416775 416885 416888 416891 416892 416919 416919N 416921 416951	410 410 410 410 410 410 410 410 410 410	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2.937 8.875 2.750 5.750 3.687 7.000 2.750 2.062	4.003 10.122 3.500 7.001 5.250 8.375	4.008 10.130 3.507 7.008 5.256	0.375 0.750 0.374	417278 417283	410 410	S	5.000	6.375	6.381	0.500
416657 416664 416666 416670 416674V 416706 416738 416775 416865 416888 416891 416892 416919 416919N 416921 416951	410 410 410 410 410 410 410 410 410 410	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	8.875 2.750 5.750 3.687 7.000 2.750 2.062	10.122 3.500 7.001 5.250 8.375	10.130 3.507 7.008 5.256	0.750 0.374	417283	410					
416664 416666 416670 416674V 416706 416738 416775 416865 416888 416891 416892 416919 416919N 416921 416951	410 410 410 410 410 410 410 410 410 410	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2.750 5.750 3.687 7.000 2.750 2.062	3.500 7.001 5.250 8.375	3.507 7.008 5.256	0.374			S	7.500		0.050	
416666 416670 416674V 416706 416738 416775 416865 416888 416891 416892 416919 416919N 416921 416951	410 410 410 410 410 410 410 410 410	\$	3.687 7.000 2.750 2.062	7.001 5.250 8.375	7.008 5.256		417295	410	S	4.437	9.243 5.500	9.250 5.506	0.625 0.500
416674V 416706 416738 416775 416865 416888 416891 416892 416919 416919N 416921 416951	410 410 410 410 410 410 410 410	V S S S	7.000 2.750 2.062	8.375			417298	410	S	6.625	8.125	8.134	0.62
416674V 416706 416738 416775 416865 416888 416891 416892 416919 416919N 416921 416951	410 410 410 410 410 410 410 410	V S S S	7.000 2.750 2.062	8.375		0.468	417316	410	S	2.750	3.751	3.758	0.374
416738 416775 416865 416888 416891 416892 416919 416919N 416921 416951	410 410 410 410 410 410	S S	2.062	4.003	8.382	0.750	417343	410	S	2.625	3.751	3.758	0.37
416865 416888 416891 416892 416919 416919N 416921 416951	410 410 410 410 410	S S			4.008	0.375	417344	410	S	2.875	3.751	3.758	0.37
416865 416888 416891 416892 416919 416919N 416921 416951	410 410 410 410	S	2.937	3.190	3.194	0.437	417349	410	S	3.000	3.751	3.758	0.43
416888 416891 416892 416919 416919N 416921 416951	410 410 410			4.250	4.254	0.468	417350	410	S	3.000	3.876	3.883	0.43
416891 416892 416919 416919N 416921 416951	410 410		5.000	6.251	6.250	0.500	417351	410	S	3.000	4.125	4.132	0.43
416892 416919 416919N 416921 416951	410	S S	4.500 4.250	5.500 5.500	5.508 5.508	0.500 0.500	417352 417353	410 410	S S	3.250 3.250	4.500 4.626	4.507 4.633	0.50 0.50
416919 416919N 416921 416951		S	4.500	5.750	5.758	0.500	417354	410	S	3.375	4.626	4.633	0.50
416921 416951		Š	3.687	4.501	4.506	0.500	417355	410	Š	3.625	4.875	4.883	0.50
416921 416951	410	N	3.687	4.501	4.506	0.500	417356	410	S	4.000	5.125	5.133	0.50
	410	S	2.875	4.003	4.010	0.374	417357	410	S	4.000	5.250	5.258	0.50
416956	410	S	8.250	10.625	10.633	0.750	417358	410	S	5.250	6.375	6.381	0.50
	410	S S	2.937	3.751	3.756	0.375	417359	410	S S	5.250	6.625	6.632	0.56
417016	410	<u> </u>	7.875	10.000	10.008	0.625	417360	410	3	5.500	6.625	6.632	0.56
417020	410	S	10.000	12.000	12.008	0.625	417361	410	S	5.500	6.875	6.882	0.56
417022 417040	410 410	S S	8.375 5.625	10.375 7.125	10.385 7.131	0.625 0.500	417362 417363	410 410	S S	5.750 5.750	6.750 6.875	6.757 6.882	0.57 0.56
417040 417073	410	S	2.437	3.543	3.548	0.375	417364	410	S	5.750	7.125	7.132	0.56
417079	410	Š	2.625	3.543	3.548	0.375	417365	410	Š	6.000	7.125	7.132	0.56
417082	410	S	2.625	4.003	4.008	0.375	417366	410	S	3.875	5.250	5.258	0.50
417115	410	S	7.750	10.000	10.008	0.750	417433	410	S	3.250	4.003	4.008	0.37
417134	410	S	2.875	4.125	4.130	0.375	417474	410	S	1.937	3.543	3.548	0.37
417158 417159	410 410	S S	2.875 2.937	3.876 3.876	3.883 3.881	0.374 0.375	417480 417481	410 410	S S	2.375 2.562	3.876 3.750	3.881 3.756	0.37 0.37
417109	410	3	2.937	3.070	3.001	0.373	417401	410		2.302	3.750	3.730	0.37
417171	410	S	3.125	4.376	4.383	0.500	417484	410	S	2.750	3.543	3.548	0.37
417172 417181	410 410	S S	3.125 3.250	4.500 4.376	4.507 4.383	0.500 0.500	417484N 417485	410 410	N S	2.750 2.813	3.543 3.875	3.548 3.882	0.37 0.43
417191	410	S	3.375	4.500	4.507	0.500	417486	410	S	2.937	4.125	4.130	0.40
417196	410	S	3.500	4.626	4.633	0.500	417487	410	S	3.000	4.249	4.254	0.43
417198	410	S	3.500	4.875	4.881	0.500	417488	410	S	3.000	4.375	4.382	0.62
417205	410	S	3.750	4.875	4.883	0.500	417490	410	S	3.187	4.376	4.381	0.50
417210	410	S	3.875	4.751	4.756	0.375	417491	410	S	3.312	4.376	4.381	0.50
417211 417223	410 410	S S	3.875 4.000	4.875 6.250	4.883 6.256	0.500 0.500	417492 417493	410 410	S S	3.437 3.437	4.501 4.626	4.506 4.631	0.37 0.50
	710		4.000	0.200	0.200			-710		J. 407	020	7.001	0.00
417238	410	S S	4.312	6.250	6.256	0.500	417494	410	S	3.437	4.876	4.881	0.50
117247	410	S	4.750	6.001	6.009	0.500	417495	410	S	3.500	5.126	5.131	0.50
117252 117254	410 410	S S	4.750 5.500	6.125 6.500	6.131 6.507	0.500 0.562	417496 417497	410 410	S S	3.500 3.562	5.500 4.751	5.505 4.756	0.50 0.50
417254 417255	+10	S	7.000	8.375	8.382	0.625	417497				7.131	7.7.10	0.50
417258	410	_				0.020	417430	410	S	3.562	4.876	4.881	0.50

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
417500	410	S	3.625	5.501	5.506	0.500	417571	410	S	11.000	12.500	12.510	0.625
417501	410	S	3.687	4.750	4.756	0.500	417584	410	S	5.000	6.126	6.131	0.562
417502	410	S	3.687	5.501	5.506	0.500	417596	410	S	6.750	8.250	8.257	0.562
417503	410	S	3.750	5.501	5.506	0.500	417597 417598	410 410	S S	7.000 7.625	8.250 9.125	8.257 9.133	0.625 0.625
417504	410	S	3.812	4.876	4.881	0.500							
417505	410	S	3.875	5.501	5.506	0.500	417598V	410	V	7.625	9.125	9.133	0.625
417507	410	S	4.000	5.626	5.632	0.375	417600	410	S	8.000	9.250	9.258	0.625
417509	410	S	4.000	5.999	6.005	0.500	417601	410	S	8.000	9.500	9.508	0.625
417511	410	S	4.125	5.126	5.132	0.500	417602 417603	410 410	S S	8.000 8.500	10.000 10.000	10.008 10.008	0.625 0.625
417512	410	S	4.125	5.501	5.506	0.500							
417513	410	S	4.187	5.501	5.506	0.500	417604	410	S	8.500	10.500	10.508	0.625
417514	410	S	4.187	5.751	5.756	0.500	417605	410	S	10.000	11.000	11.008	0.625
417515	410	S	4.187	6.000	6.007	0.500	417606	410	S	9.500	11.500	11.508	0.625
417516	410	S	4.187	6.250	6.256	0.500	417608 417621	410 410	S S	12.000 3.125	14.000 4.125	14.010 4.130	0.750 0.375
417518	410	S	4.250	6.126	6.133	0.500							
417520	410	S	4.312	5.751	5.756	0.500	417698	410	S	3.625	4.376	4.381	0.375
417522	410	S	4.375	6.125	6.131	0.500	417780	410	S	5.937	7.502	7.508	0.562
417525	410	S	4.437	5.751	5.756	0.500	417817	410	S	7.937	8.750	8.757	0.565
417526	410	S	4.437	5.999	6.007	0.500	417939 417940	410 410	S S	9.910 9.000	10.995 10.088	11.005 10.095	0.625 0.625
417520	410	-	4 500	E 07E	E 202	0.438	417940	410	3	9.000	10.000	10.095	0.025
417530 417531	410	S S	4.500 4.500	5.375 5.876	5.383 5.881	0.438	417967	410	S	3.937	4.876	4.881	0.500
417531	410	S	4.500	6.374	6.382	0.500	417986N	410	N	2.750	5.500	5.506	0.500
417533	410	S	4.562	5.751	5.756	0.500	417987N	410	N	3.250	5.500	5.506	0.500
417534	410	Š	4.562	5.999	6.007	0.500	418027	410	S	2.625	4.437	4.441	0.437
							418028	410	S	3.250	4.500	4.506	0.375
417535	410	S	4.687	5.999	6.007	0.500							
417536	410	S	4.687	6.250	6.256	0.500	418029	410	S	3.437	4.249	4.254	0.375
417537 417538	410 410	S S	4.687 4.750	6.374 5.876	6.382 5.881	0.500 0.500	◆425507XX	320	S	1.654 42	2.165 55	2.173 55.20	0.276 7
417539	410	S	4.730	5.999	6.007	0.500	♦425508XX	350	S	1.654	2.165	2.176	0.315
							. 4050077//	000	0	42	55	55.28	8
417540	410	S	4.937	6.374	6.382	0.500	◆425607XX	320	S	1.654 42	2.205 56	2.21 56.13	0.276 7
417541	410	Š	5.000	6.499	6.507	0.500	♦425807XX	480	S	1.654	2.283	2.287	0.276
417542	410	S	5.000	6.749	6.757	0.500				42	58	58.10	7
417543	410	S	5.000	6.874	6.882	0.500							
417544	410	S	5.000	7.000	7.007	0.500	◆426007XX	320	S	1.654 42	2.362 60	2.371 60.22	0.276
417545	410	9	5.000	7.500	7.507	0.500	◆426208XX	350	S	1.654	2.441	2.452	0.315
417546	410	S S	5.125	6.374	6.382	0.500				42	62	62.27	8
417547	410	S	5.125	6.499	6.507	0.500	◆426510XX	470	N	1.654 42	2.559 65	2.565 65.15	0.394 10
417548 417549	410 410	S S	5.187 5.250	6.499 6.750	6.507 6.757	0.500 0.500	◆426808XX	320	S	1.654	2.677	2.685	0.315
			0.200	0.700	0.707		◆426810XX	320	S	42 1.654	68 2.677	68.20 2.685	8 0.394
417550	410	S	5.312	6.500	6.507	0.500				42	68	62.20	10
417551	410	S	5.375	6.374	6.380	0.500			_		_	_	
417554	410	S	5.375	6.749	6.757	0.500	♦427010XX	320	S	1.654	2.756	2.764	0.394
♦ 417555	410	S	5.625 143	6.626 168.30	6.634 168.50	0.516 13.10	♦427208XX	320	S	42 1.654	70 2.835	70.20 2.843	10 0.315
417556	410	S	5.625	6.874	6.882	0.500				42	72	72.20	8
							◆427210XX	320	S	1.654 42	2.835 72	2.845 72.27	0.394 10
417562	410	S	6.250	7.750	7.758	0.500	◆428008XX	320	S	1.654	3.15	3.157	0.315
417563	410	S	6.375	7.875	7.883	0.500	. 4000403/3/	050	0	42	80	80.20	8
417564	410	S	7.000	8.750	8.759	0.625	◆428010XX	350	S	1.654 42	3.15 80	3.157 80.20	0.394 10
417567 417570	410 410	S S	8.625 10.250	10.625 12.250	10.635 12.260	0.750 0.750						00.20	
41/3/0	410	3	10.230	12.250	12.200	0.730							

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
◆435508XX	320	S	1.693 43	2.165 55	2.173 55.20	0.315	450065	450	S	1.593	2.437	2.441	0.468
♦436508XX	320	S	1.693	2.559	2.567	0.315	450066	450		1.625	2.438	2.444	0.275
440131	440	S	43 0.875	65 1.375	65.20 1.379	8 0.187	450067	450 450	S S	1.500	2.436	2.444	0.375
440265	440	S	1.687	2.623	2.629	0.375	450068	450	Š	1.718	2.623	2.627	0.500
440511	440	Š	2.625	3.371	3.376	0.250	450069	450	S	1.625	2.623	2.629	0.313
							450070	450	S	1.750	2.623	2.629	0.313
440972	440	S	2.125	3.371	3.376	0.312	450072	450		1 656	0.696	2 600	0.500
441130 441319	440 440	S S	1.000 1.218	1.375 1.979	1.381 1.983	0.189 0.250	450073 450076	450 450	S S	1.656 1.750	2.686 2.686	2.690 2.692	0.500 0.438
441853	440	S	1.875	2.561	2.567	0.230	450078	450	S	1.625	2.875	2.881	0.313
442109	440	S	2.250	3.371	3.378	0.374	450082	450	S	1.875	2.875	2.881	0.311
							450083	450	S	2.000	2.875	2.881	0.469
442251	440	S	1.718	2.561	2.567	0.500	450004	450	0	1.075	0.000	0.004	0.500
442380	440	S	2.500	3.252	3.259	0.250	450084 450085	450 450	S S	1.875 2.000	2.996 2.995	3.001 3.002	0.500
442507 442874	440 440	S S	2.374 2.314	3.350 3.000	3.357 3.006	0.251 0.382	450085	450	S	1.750	3.061	3.067	0.500
443018	440	S	1.500	1.983	1.989	0.382	450089	450	S	1.781	3.189	3.194	0.437
	110		1.000	1.000	1.000		450090	450	S	1.812	3.189	3.194	0.437
444042	440	S	2.500	3.500	3.507	0.250	45000			4 0 0 =	0.455	0.45.4	
444116	440	S	1.812	2.327	2.332	0.437	450094N	450	N	1.937	3.189	3.194	0.437
444258 ◆446007XX	440	S	0.375 1.732	0.836 2.362	0.841 2.37	0.187 0.276	450094 450095	450 450	S S	1.937 2.000	3.189 3.189	3.194 3.194	0.437 0.437
◆ 44600/XX	320	S	1.732 44	2.362 60	2.37 60.20	0.276 7	450095	450	S	2.062	3.189	3.194	0.437
♦446010XX	350	S	1.732	2.362	2.37	0.394	450099	450	Š	2.250	3.350	3.357	0.469
			44	60	60.20	10							
♦446208XX↔	320	S	1.732	2.441	2.451	0.315	450101	450	S	2.375	3.350	3.357	0.469
V440200XX \ /	020	O	44	62	62.26	8	450103 450104	450 450	S S	2.375 2.437	3.483 3.481	3.490 3.486	0.500
◆446510XX	350	S	1.732	2.559	2.57	0.394	450111	450	S	1.968	3.350	3.355	0.468
446927	440	S	44 3.500	65 4.125	65.28 4.130	10 0.250	450115	450	S	2.125	2.996	3.002	0.438
◆447008XX	320	S	1.732	2.756	2.764	0.230							
			44	70	70.20	8	450116	450	S	1.812	2.875	2.879	0.468
447060	440	S	5.250	6.250	6.256	0.250	450117	450	S	1.875	2.750	2.756	0.311
							450118	450	S	1.812	2.750	2.756	0.313
♦447210XX	350	S	1.732	2.835	2.839	0.394	450119	450	S	0.500	1.000	1.009	0.252
447793	440	0	44 6 000	72 6 75 1	72.11	10	450120	450	S	1.000	1.499	1.503	0.390
447793 450005	440 450	S S	6.000 0.500	6.751 1.124	6.757 1.130	0.375 0.250							
450009	450	S	0.625	1.124	1.130	0.250	450121	450	S	2.125	3.189	3.194	0.437
450025	450	Š	0.687	1.374	1.380	0.311	450132 450133	450 450	S S	2.250 2.312	3.371 3.371	3.378 3.376	0.438 0.468
							450135	450	S	1.375	2.125	2.131	0.438
450027	450	S	0.750	1.375	1.381	0.252	450141	450	S	0.750	1.250	1.256	0.374
450030	450	S	0.813	1.499	1.505	0.250							
450032	450	S	0.875	1.500	1.506	0.313	450143	450	S	1.562	2.561	2.565	0.500
450034	450	Ν	0.781	1.828	1.834	0.250	450147	450	S	1.312	2.996	3.001	0.500
450038	450	S	0.906	1.828	1.832	0.437	450154	450	Š	1.687	2.502	2.508	0.311
							450159	450	S	1.093	2.000	2.004	0.437
450039	450	S	0.938	1.828	1.834	0.438	450161	450	S	1.156	2.000	2.006	0.311
450040	450	S	0.987	1.282	1.288	0.438							
450043	450	S	1.063	1.828	1.834	0.250	450162	450	S	1.187	2.000	2.006	0.252
450044 450045	450 450	S S	1.093 1.125	1.828 1.828	1.832 1.834	0.437	450163	450	S	1.250	2.000	2.006	0.252
-30043 	450	_	1.120	1.020	1.004	0.311	450173	450	S	1.218	2.000	2.004	0.437
450040	4		4 04 -	4.000	4.00=	0.15=	450177	450 450	S	1.250	2.106	2.110	0.468
450048	450 450	S	1.218	1.983	1.987	0.437	450183	450	S	1.750	2.750	2.756	0.500
450049 450054	450 450	S S	1.250 1.343	1.983 2.374	1.989 2.378	0.252 0.500	45046-			4 =	0.500	0.500	
450059	450	S	1.500	2.374	2.380	0.313	450185	450	S	1.563	2.502	2.508	0.311
		_					450188 450189	450 450	S S	1.063 1.125	1.561 1.752	1.567 1.758	0.250 0.313
							450169 450194	450	S	1.625	2.502	2.508	0.313
							1 .55.54	-100	9		002	000	J.J.1

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
450204	450	S	0.813	1.375	1.381	0.252	450441	450	S	2.248	2.996	3.002	0.500
450219 450236 450241 450244 450260	450 450 450 450 450	S S S S S	1.000 1.125 1.125 1.250 1.656	1.624 1.874 2.063 2.062 2.502	1.630 1.880 2.069 2.066 2.506	0.375 0.250 0.313 0.437 0.500	450446 450452 450456 450457 450461	450 450 450 450 450	S S S S S	2.000 1.375 1.375 0.984 1.500	2.713 2.835 2.716 1.828 2.750	2.717 2.841 2.720 1.832 2.754	0.468 0.469 0.468 0.437 0.500
450269 450273 450274 450275 450279	450 450 450 450 450	S S S S S	1.781 1.562 1.593 1.625 1.937	2.686 2.758 2.758 2.758 2.758	2.690 2.762 2.762 2.762 2.762	0.500 0.500 0.500 0.500 0.500	450463 450467 450472 •450474	450 450 450 450 450	S S S S	1.375 1.625 1.968 1.969 50 1.156	2.750 3.251 2.686 2.874 73 1.828	2.754 3.256 2.690 2.880 73.15 1.832	0.500 0.500 0.500 0.472 12 0.437
450280 450285 450291 450291N 450298	450 450 450 450 450	S S S N S	1.781 1.781 1.750 1.750 1.875	2.758 2.750 2.875 2.875 3.000	2.762 2.754 2.881 2.881 3.006	0.500 0.500 0.252 0.252 0.313	450489 450492 450494 450496 450502	450 450 450 450 450	S S S S	2.187 1.375 1.750 2.500 1.156	2.875 3.350 2.502 3.350 1.686	2.881 3.357 2.508 3.357 1.690	0.374 0.469 0.311 0.437 0.375
450301 450303 450307 450308 450311	450 450 450 450 450	\$ \$ \$ \$	2.000 2.125 2.062 2.125 2.062	3.000 3.000 3.061 3.061 3.125	3.006 3.006 3.066 3.067 3.130	0.500 0.500 0.500 0.500 0.500	450516 450519 450523 450523 450535	450 450 450 450 450	S S S S	1.375 2.500 1.500 1.687 0.625	3.125 3.251 2.875 3.189 1.250	3.130 3.258 2.879 3.194 1.256	0.500 0.437 0.468 0.437 0.311
450312 450313 450316 450317 450326	450 450 450 450 450	\$ \$ \$ \$ \$	2.125 2.062 2.250 2.313 1.500	3.125 3.251 3.251 3.251 2.996	3.131 3.256 3.258 3.258 3.001	0.374 0.500 0.500 0.500 0.500	450536 450539 450540 450545 450548	450 450 450 450 450	S S S S	0.562 1.625 1.500 0.968 1.500	1.246 2.999 3.189 1.575 2.250	1.250 3.005 3.194 1.579 2.256	0.375 0.313 0.437 0.375 0.375
450329 450332 450335 450339 450340	450 450 450 450 450	\$ \$ \$ \$ \$	2.625 1.125 1.625 0.968 0.750	3.350 2.437 3.062 2.062 1.561	3.356 2.441 3.066 2.066 1.565	0.468 0.468 0.500 0.437 0.375	450553 450588 450593 450604 450621	450 450 450 450 450	S S S S	1.000 0.812 1.000 1.125 2.156	1.500 1.575 1.828 2.250 3.189	1.506 1.579 1.834 2.254 3.196	0.311 0.375 0.295 0.500 0.437
450341 450342 450343 450350 450351	450 450 450 450 450	\$ \$ \$ \$	1.250 1.062 2.062 2.375 1.750	2.713 1.983 3.371 3.371 2.437	2.717 1.987 3.376 3.378 2.443	0.468 0.437 0.468 0.469 0.313	450626 450639 450645 450680 450686	450 450 450 450 450	S S S S	2.625 2.125 0.875 0.875 2.375	3.371 2.835 2.000 1.500 3.483	3.378 2.839 2.004 1.506 3.490	0.438 0.468 0.437 0.313 0.500
450352 450358 450361 450362 450365	450 450 450 450 450	\$ \$ \$ \$ \$	1.750 1.625 1.750 1.156 2.125	2.502 2.374 2.561 2.125 2.875	2.513 2.380 2.567 2.129 2.881	0.500 0.311 0.500 0.437 0.375	450693 450737 450765 450776 450803	450 450 450 450 450	S S S S	0.984 2.250 1.687 1.375 1.562	2.062 3.188 2.716 2.686 2.716	2.066 3.195 2.720 2.690 2.720	0.437 0.438 0.468 0.500 0.468
450365N 450375 450389 450400 450403	450 450 450 450 450	N S S S	2.125 1.765 2.000 1.750 1.375	2.875 2.412 2.750 2.250 2.062	2.881 2.416 2.756 2.261 2.073	0.375 0.468 0.375 0.311 0.375	450819 450867 450869 450911 450911N	450 450 450 450 450	S S S N	1.625 2.125 2.156 1.968 1.968	2.835 2.875 3.251 2.742 2.742	2.839 2.881 3.256 2.746 2.746	0.468 0.375 0.500 0.500 0.500
450412 450415 450430 450431	450 450 450 450	S S S	2.625 1.625 1.125 0.813	3.481 2.996 2.875 1.250	3.486 3.001 2.879 1.256	0.500 0.500 0.468 0.189	450965 450984 451078	450 450 450	S S S	1.937 1.500 1.875	3.350 2.716 3.251	3.355 2.720 3.258	0.468 0.468 0.500

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
451082 451147H	450 450	S H	0.968 1.750	1.874 2.502	1.878 2.506	0.437 0.406	455037 455056	450 450	S S	4.062 4.125	5.501 6.250	5.506 6.256	0.562 0.562
451469	450	S	1.593	2.623	2.627	0.340	455060	450	S	4.375	6.250	6.256	0.562
451583 451700	450	S	0.968	1.499	1.503	0.312	455068	450	S	4.874	6.250	6.258	0.500
l51709 l51817	450 450	S S	1.250 1.812	1.752 2.437	1.758 2.441	0.252 0.468	455070 455073	450 450	S S	5.000 5.500	6.250 6.749	6.258 6.757	0.500 0.625
451845	450	S	1.250	2.561	2.565	0.500	455075	450	S	5.875	7.125	7.135	0.625
451857	450	S	1.500	2.623	2.627	0.500	455079	450	S	2.500	3.750	3.757	0.500
452086	450	S	1.670	2.686	2.690	0.500	455080	450	S	2.125	3.623	3.628	0.468
52222	450	S H	1.531	2.374	2.378	0.375	455086	450	S S	3.000	4.249	4.256	0.468
I52261H I52554	450 450	S	2.000 1.500	2.500 1.983	2.504 1.989	0.437 0.252	455088 455088V	450 450	V	3.000	4.500 4.500	4.507 4.507	0.469 0.469
452554N	450	N	1.500	1.983	1.989	0.252	455091	450	S	4.874	6.001	6.009	0.500
453059	450	S	0.437	1.124	1.128	0.406	455093	450	S	2.250	3.500	3.505	0.500
153063	450	S	1.187	2.047	2.051	0.437	455096	450	S	2.437	3.500	3.505	0.500
153065	450	S	1.500	2.250	2.256	0.313	455104	450	S	5.250	6.500	6.508	0.625
453066	450	S	2.125	2.878	2.882	0.375	455117 —————	450	S	7.375	8.875	8.882	0.750
153165	450	S	1.000	2.062	2.066	0.375	455121V	450	٧	7.875	9.375	9.383	0.750
153182	450	S	3.000	3.999	4.004	0.437	455123	450	S	8.125	10.125	10.130 10.885	0.750
153279 153341	450 450	S S	1.250 1.625	3.155 2.374	3.160 2.380	0.500 0.311	455129 455134	450 450	S S	8.875 4.125	10.875 4.998	5.006	0.750 0.437
154136N	450	N	2.250	3.350	3.355	0.312	455136	450	S	2.250	3.481	3.486	0.437
55001	450	S	2.500	3.542	3.549	0.500	455137	450	S	3.250	4.500	4.507	0.438
I55001S	450	S	2.500	3.542	3.549	0.500	455144	450	S	2.875	4.499	4.504	0.468
155003	450	S	2.625	3.623	3.630	0.438	455146	450	S	3.500	4.499	4.504	0.468
455004 455005	450	S	2.750	3.751	3.758	0.375	455147	450	S	2.500	3.500	3.507	0.500
155005	450	S	2.813	3.751	3.758	0.438	455151	450	S	2.687	3.751	3.756	0.500
455006	450	S	2.875	3.750	3.757	0.500	455154	450	S	3.000	4.125	4.132	0.438
155006N	450	N	2.875	3.750	3.757	0.500	455165	450	S	3.375	4.499	4.504	0.468
155009	450 450	S	2.750	3.876	3.883	0.437	455173 455196	450 450	S	3.500	4.750	4.758	0.500
155011 155012	450 450	S S	2.874 2.937	4.003 4.003	4.010 4.010	0.437 0.438	455186 455188	450 450	S S	3.938 4.000	4.876 5.125	4.884 5.133	0.438
455013	450	S	3.000	4.003	4.010	0.437	455189	450	S	3.812	5.251	5.256	0.468
155014	450	S	3.000	4.249	4.256	0.468	455191	450	S	3.937	5.251	5.256	0.468
155015	450	S	3.062	4.249	4.254	0.625	455192	450	S	4.000	5.251	5.256	0.468
I55018 I55018N	450 450	S N	3.250 3.250	4.249 4.249	4.256 4.256	0.500 0.500	455194 455195	450 450	S S	4.187 4.250	5.251 5.251	5.256 5.256	0.468 0.468
l55019	450	S	3.000	4.999	5.007	0.438	455197	450	S	4.312	5.501	5.506	0.562
155020	450	S	3.062	4.999	5.004	0.468	455197N	450	N	4.312	5.501	5.506	0.562
55022	450	Š	3.187	4.999	5.004	0.468	455198	450	S	4.375	5.500	5.508	0.563
155024	450	S	3.312	4.999	5.004	0.468	455200	450	S	4.500	5.500	5.508	0.500
55026	450	S	3.437	4.999	5.004	0.468	455200N	450	N	4.500	5.500	5.508	0.500
455027	450	S	3.500	4.999	5.004	0.468	455203	450	S	4.125	6.000	6.007	0.625
455027N	450	N	3.500	4.999	5.004	0.468	455251H	450	Н	4.812	5.751	5.756	0.562
455031 455032	450 450	S S	3.750 3.812	4.999 4.999	5.004 5.004	0.468 0.468	455253 455260	450 450	S S	2.000 2.062	3.543 3.623	3.548 3.628	0.500 0.468
455032 455033	450	S	3.875	4.999	5.004	0.468	455272	450	S	2.750	4.003	4.010	0.438
455034	450	S	3.937	4.999	5.004	0.468	455280	450	S	2.562	3.876	3.881	0.468
455035	450	S	4.000	4.998	5.006	0.468	455290	450	S	5.062	6.374	6.382	0.625
455035N	450	N	4.000	4.998	5.006	0.468	455294	450	S	6.500	7.500	7.508	0.562

455327	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
455308								455858	450	S	3.438	4.756	4.764	0.563
455310	455301S	450	s	9.000	10.000	10.010	0.750							
455311 450 S 2.562 3.543 3.546 0.500 455985 450 S 3.675 6.575 5.383 0.438 455322N 450 N 2.750 3.543 3.550 0.438 455328 450 S 3.250 5.251 5.256 0.468 455328 450 S 3.625 0.468 455336 450 S 3.675 0.570 0.750 455336 450 S 2.577 4.580 0.468 455336 450 S 2.877 3.376 3.883 0.438 455336 450 S 2.577 4.580 0.469 455336 450 S 2.578 3.500 3.507 0.374 455336 450 S 2.578 3.500 3.507 0.374 455336 450 S 2.570 3.500 3.507 0.374 455336 450 S 2.500 3.500 3.507 0.374 455337 450 S 2.500 3.500 3.507 0.374 455337 450 S 2.500 3.500 3.507 0.374 455337 450 S 2.500 5.500 5.500 0.625 4500 S 2.500 0.500 455337 450 S 2.500 5.500 5.500 0.625 4500 S 2.500 0.500 455337 450 S 2.500 5.500 0.500 455337 450 S 2.500 5.500 5.500 5.500 0.625 4500 S 2.500 0.500 455337 450 S 2.500 5.500 5.500 0.500 45534 450 S 2.500 5.500 5.500 0.500 45534 450 S 2.500 5.500 5.500 0.500 45534 450 S 2.500 5.500 0.500 45534 450 S 2.500 5.500 5.500 0.500 45534 4500 S 2.500 0.500 0.500 45534 4500 S 2.500 0.500	455308	450					0.375	455867V	450		7.500	8.500	8.509	
455321 450 S 2.312 3.751 3.760 0.500 459988 450 S 3.875 5.375 5.383 0.438 459322 450 S 2.750 3.543 3.550 0.438 455322 450 V 2.750 3.632 3.650 0.438 455322 450 V 2.750 3.632 3.650 0.438 455322 450 V 2.750 3.632 3.650 0.438 455326 450 S 3.875 5.256 0.625 455330 450 S 3.875 5.256 0.625 455330 450 S 3.875 5.256 0.625 455330 450 S 3.875 5.256 0.625 455336 450 S 3.875 3.883 0.438 455336 450 S 3.875 3.883 0.438 455336 450 S 3.887 4.501 4.508 0.500 4.65336 450 S 3.875 3.876 4.500 0.5														
455322														
455322	455321	450	S	2.312	3.751	3.756	0.500							
455322N	455000	450		0.750	0.540	0.550	0.400	4559565	430		3.073	3.373	3.303	0.430
455322V 450 V 2.750 3.543 3.550 0.438 455995N 450 N 3.000 4.003 4.010 0.469 455330 450 8 3.250 5.251 5.256 0.468 455330 450 8 6.125 7.125 7.135 0.626 455330 450 8 5.127 2.362 2.37 0.276 455336 450 8 2.876 3.876 3.883 0.438 455356 450 8 2.876 3.876 3.883 0.438 455356 450 8 2.750 3.500 3.507 0.374 455364 450 8 2.625 3.500 3.507 0.374 455368 450 8 2.625 3.500 3.507 0.374 455368 450 8 2.625 3.500 3.507 0.374 455368 450 8 2.625 3.500 3.507 0.374 455369 450 8 2.625 3.500 3.507 0.374 455369 450 8 2.625 3.500 3.507 0.374 455369 450 8 3.500 5.756 0.562 456055 450 8 3.500 4.5379 4.50 8 4.500 4.55379 450 8 3.500 4.5379 4.55389 450 8 3.500 5.756 0.562 456055 450 8 3.500 4.5379 4.50 8 3.500 4.55379 450 8 3.500 4.55379 450 8 3.500 4.55379 450 8 3.500 4.55379 450 8 3.500 5.751 5.756 0.562 456141 450 8 3.250 4.55370 4.50 4.500 4.55379 450 8 3.500 4.751 4.758 0.500 4.55379 450 8 3.500 4.751 4.758 0.500 4.55379 450 8 3.500 4.751 4.758 0.500 4.55379 450 8 3.500 4.751 4.756 0.500 4.55437N 450 8 3.500 4.751 4.756 0.500 4.55444 450 8 5.250 6.250 6.256 0.256 4.55402 450 8 9.000 10.500 10.510 0.625 4.55402 450 8 9.000 10.500 10.500 10.500 10.625 4.55400 4.50 8 9.000 10.250 10.260 0.750 4.55								455966	450	s	8.750	10.500	10.510	0.750
455328														
455330														
455336	455330	450	S				0.626						60.20	7
455336								♦456008XX	350	S				
455355	455336	450	S	3.187	4.501	4.508	0.500	♦456010XX	350	S				
4553566 450 S 2.937 4.499 4.504 0.488 455368 450 S 2.625 3.500 3.507 0.374 455368 450 S 2.625 3.500 3.507 0.374 456366 450 S 2.625 3.500 3.507 0.374 456057 450 S 1.937 3.756 0.500 455369 450 S 2.500 3.623 3.630 0.374 456057 450 S 1.937 3.756 0.500 455379 450 S 3.750 4.750 4.758 0.500 456141 450 S 4.312 5.361 0.500 455379 450 S 3.500 5.751 5.756 0.562 456122 450 S 4.500 5.625 6.625 4.758 0.500 4554360 450 S 2.687 3.500 3.575 4.756 0.502 4554422 450 S 9.200								V-100010XX	000	O				
455368				2.937	4.499	4.504	0.468							
455369	455364	450	S	2.750	3.500	3.507	0.374	456050	450	c	E 07E	7 000	0.007	0.750
455369	455368	450	S	2.625	3.500	3.507	0.374							
455369														
455378H 450 H 4,687 5,751 5,756 0,562 456379 450 S 3,750 4,750 4,758 0,500 455379V 450 V 3,750 4,750 4,758 0,500 455379V 450 V 3,750 4,750 4,758 0,500 455379V 450 V 3,750 4,750 4,750 0,502 456398 450 S 3,500 5,751 5,756 0,502 456192 450 S 4,500 7,507 0,502 456192 450 S 5,500 7,507 7,507 0,502 456192 450 S 5,500 7,507 7,507 0,622 456208XX 350 S 1,772 2,441 2,453 0,315 4554194 450 S 2,250 6,250 6,562 6,562 456404 450 S 9,900 10,500 10,500 10,500 10,500 40,500 450 456608XX 350 S 1,772 2,559<	455360	450	S	2 500	3 623	3 630	0.374							
455379V 450 V 3.750 4.750 4.758 0.500 455379V 450 V 3.750 4.750 4.758 0.500 455399 450 S 3.500 5.751 5.756 0.562 45613 450 S 5.500 7.500 7.500 7.508 0.562 456480V 450 S 3.298 4.299 4.256 0.375 455566 450 S 3.298 4.125 4.130 0.562 45683N 450 S 3.285 4.294 4.266 0.375 455566 450 S 3.250 4.175 5.125 5.133 0.500 4.55566 450 S 3.250 4.1750 3.394 4.500 5.625 6.250														
455379V 450 V 3.750 4.758 0.500 455396 450 S 3.500 5.751 5.756 0.562 456153 450 S 5.500 7.500 7.500 7.500 7.500 8.456192 450 S 5.500 7.500 7.500 7.500 8.456192 450 S 5.500 7.500 7.500 7.500 8.456192 450 S 5.500 7.500 7.500 8.456192 450 S 5.200 10.375 10.384 0.625 455448 450 S 5.250 6.250 6.256 0.562 455448 450 S 5.250 6.250 6.256 0.562 455448 450 S 9.000 10.500 1											1.012	0.070	0.001	0.000
455396								4=04=0	450	_	4 = 0.0		= 004	0.500
455406			S							S				
455406 450 S 7.750 9.250 9.260 0.625 455434 450 S 2.687 3.500 3.507 0.374 456305 450 S 3.500 4.751 4.756 0.500 456462 450 S 3.500 4.751 4.756 0.500 456462 450 S 3.000 10.500 10.510 0.625 456462 450 S 9.900 10.500 10.510 0.625 456462 450 S 9.910 10.997 11.035 0.625 455474 450 S 3.437 5.250 5.256 0.484 456462 450 S 9.910 10.997 11.055 0.625 455475 450 S 3.250 9.258 0.625 456587 450 S 1.772 2.559 2.57 0.315 455479 450 S 8.250 9.258 0.522 456587 450 S 3.313 4.506 6.25														
455434	455406	450	9	7 750	0.250	0.260	0.625	♦ 430200∧∧	350	3				
455437N 450 N 3.500 4.751 4.756 0.500 456462 450 S 9.000 10.375 10.384 0.625 455448 450 S 5.250 6.256 0.526 0.5625 455472 450 S 9.000 10.500 10.510 0.625 455471 450 S 3.437 5.250 5.256 0.488 455475 450 S 8.250 9.258 0.625 455479 450 S 9.000 10.250 10.260 0.750 455480 450 S 3.000 3.876 3.883 0.437 455480V 450 S 6.250 7.500 7.508 0.562 455480V 450 S 3.298 4.125 4.130 0.562 455500 450 S 3.298 4.125 4.130 0.562 455513 450 S 3.875 5.125 5.633 <								456305	450	S				
455448 450 S 5.250 6.250 0.256 0.562 455462 450 S 9.000 10.500 10.510 0.625 456464 450 S 9.910 10.997 11.005 0.625 455471 450 S 3.437 5.250 5.256 0.468 456472N 450 N 2.375 3.623 3.628 0.504 456472N 450 N 2.375 3.623 3.628 0.503 1.772 2.2559 2.57 0.315 456472N 450 N 2.375 3.623 3.628 0.504 4564574 450 N 2.375 3.628 0.502 456464 450 N 2.375 3.628 0.502 4565472N 450 N 2.579 0.315 4565472N 450 N 2.625 9.286 0.562 456557 450 V 5.125 0.450 0.450 0.450 3.883 0.437 456587 450 N 3.031 4.501 4.506<														
455462 450 S 9.000 10.500 10.510 0.625 456464 450 S 9.910 10.997 11.005 0.625 455471 450 S 3.437 5.250 5.256 0.468 456477 450 N 2.375 3.623 3.628 0.500 455476 450 S 8.250 9.250 9.258 0.625 456576 450 V 5.256 0.488 456580XX 350 S 1.772 2.559 2.57 0.315 456580XX 350 S 1.772 2.559 2.57 0.315 456580XX 350 S 1.772 2.559 2.500 0.501 456580XX 350 S 1.772 2.559 2.500 0.502 456580XX 350 S 1.772 2.550 0.502 456681 450 S 3.375 4.506 0.502 455480 450 S 3.338 4.249 4.256 0.375 45560														
455471								156161	450	0	0.010	10 007	11 005	0.625
455471 450 S 3.437 5.250 5.256 0.468 4456508XX 350 S 1.772 2.559 2.57 0.315 455475 450 S 8.250 9.258 0.625 456567 450 V 5.125 6.125 6.125 6.131 0.500 455479 450 S 3.000 3.876 3.883 0.437 456585 450 S 3.375 4.501 4.506 0.468 455479 450 V 3.000 3.876 3.883 0.437 456585 450 S 3.375 4.501 4.506 0.468 455479 450 V 3.000 3.876 3.883 0.437 456681 450 S 3.375 4.501 4.506 0.468 455480 450 S 6.250 7.500 7.508 0.562 456641 450 N 4.625 5.500 5.506 0.562 455499 450 S 3.438 <th></th>														
455475	455471	450	9	2 /27	5 250	5 256	0.468							
455476								1 100000721	000					
455479								456557			-		6.131	0.500
455479V 450 V 3.000 3.876 3.883 0.437 455480 450 S 6.250 7.500 7.508 0.562 455480V 450 V 6.250 7.500 7.508 0.562 4555499 450 S 3.438 4.249 4.256 0.375 455500 450 S 3.298 4.125 4.130 0.562 455576 450 S 3.250 4.125 4.361 0.625 455584 450 S 3.250 4.125 4.130 0.562 455583N 450 N 5.375 6.499 6.507 0.562 455584 450 S 5.375 6.499 6.507 0.562 455585 450 S 2.500 4.003 4.008 0.468 455685 450 S 2.500 4.003 4.008 0.468 455685 450 S 2.500 4.003 4.008 0.468 455580 X 350 S 1.772 2.283 2.294 0.276 4455807XX 350 S 1.772 2.835 2.846 0.472 4457212XX 350 S 1.772 2.835 2.846 0.472								456585	450	S	3.375	4.501	4.506	0.468
455480 450 S 6.250 7.500 7.508 0.562 456480V 450 V 6.250 7.500 7.508 0.562 455499 450 V 6.250 7.500 7.508 0.562 45644N 450 N 3.625 4.375 4.382 0.374 456807XX 320 S 1.772 2.688 0.276 455500 450 S 3.298 4.125 4.130 0.562 456807XX 320 S 1.772 2.688 0.276 455500 450 S 3.000 3.936 3.941 0.500 456807XX 320 S 1.772 2.688 0.276 455513 450 S 4.000 5.625 5.633 0.437 456885N 450 N 5.000 6.250 6.256 0.500 455547 450 S 3.875 5.125 5.133 0.500 456865N 450 N 5.000 5.005 0.312 45														
455480V 450 V 6.250 7.500 7.508 0.562 455499 450 S 3.438 4.249 4.256 0.375 455500 450 S 3.298 4.125 4.130 0.562 455509 450 S 3.000 3.936 3.941 0.500 455513 450 S 4.000 5.625 5.633 0.437 455536 450 S 1.750 3.543 3.548 0.500 455556 450 S 2.875 4.376 4.381 0.625 455566 450 S 3.250 4.125 4.130 0.562 455583N 450 N 6.187 7.500 7.507 0.562 4555847 450 S 6.875 8.375 8.382 0.625 455584 450 S 6.875 8.375 8.382 0.625 455655 450 S 2.500 4.003 4.008 0.468 455685 450 S 2.500 4.003 4.008 0.468 455685 450 S 1.772 2.283 2.294 0.276 455807XX 350 S 1.772 2.835 2.846 0.472 4458807XX 350 S 1.772 2.835 2.846 0.472								456641	450	Н	4.625	5.500	5.506	0.562
455480V 450 V 6.250 7.500 7.508 0.562 456744N 450 N 3.625 4.375 4.382 0.374 455499 450 S 3.438 4.249 4.256 0.375 455500 450 S 3.298 4.125 4.130 0.562 455509 450 S 3.000 3.936 3.941 0.500 450 S 3.600 450 S 1.750 3.543 3.548 0.500 455536 450 S 1.750 3.543 3.548 0.500 455556 450 S 2.875 4.376 4.381 0.625 455566 450 S 3.250 4.125 4.130 0.562 455584 450 S 5.375 6.499 6.507 0.562 455584 450 S 6.875 8.375 8.382 0.625 455685 450 S 2.500 4.003 4.008 0.468 455685 450 S 3.600 S 3.600 S 3.2294 0.276 455807XX 350 S 1.772 2.835 2.846 0.472 445 5887XX 350 S 1.772 2.835 2.846 0.472 445 5887XX 350 S 1.772 2.835 2.846 0.472 445 5887XX 350 S 1.772 2.835 2.846 0.472 445 588 58.28 7	455480	450	S	6 250	7 500	7 508	0.562	456648	450	S		4.500	4.507	0.438
455499 450 S 3.438 4.249 4.256 0.375 455500 450 S 3.298 4.125 4.130 0.562 456837V 450 V 2.843 4.003 4.008 0.500 455513 450 S 4.000 5.625 5.633 0.437 456865N 450 N 5.000 6.250 6.256 0.500 455536 450 S 1.750 3.543 3.548 0.500 456867V 450 S 4.812 6.250 6.256 0.500 4555547 450 S 3.875 5.125 5.133 0.500 456867V 450 S 4.812 6.250 6.256 0.500 4555566 450 S 2.875 4.376 4.381 0.625 457010XX 320 S 1.772 2.756 2.763 0.394 455583N 450 S 5.375 6.499 6.507 0.562 457010XX 350 S 1.772 2.835 2.846 0.276 4555881 450 S<									450	Ν	3.625	4.375	4.382	0.374
455500 45509 450 450 S 3.298 3.000 4.125 3.936 4.130 3.936 0.562 3.941 450 0.500 450 456837V V 2.843 2.843 4.003 4.003 4.008 4.008 0.500 455513 455536 455547 455556 45556 450 58 450 58 S 4.000 4.008 5.625 5.625 5.633 3.548 0.500 456890 450 456967V 456967V 450 457010XX 450 320 320 320 320 320 320 320 320 320 32								♦456807XX	320	S				
455509								4500071/	450					
455536	455509	450		3.000	3.936	3.941		456837V	450	V	2.843	4.003	4.008	0.500
455536								456865N	450	N	5 000	6 250	6 256	0.500
455547 450 S 3.875 5.125 5.133 0.500 455556 450 S 2.875 4.376 4.381 0.625 455566 450 S 3.250 4.125 4.130 0.562 455576 450 S 5.375 6.499 6.507 0.562 455583N 450 N 6.187 7.500 7.507 0.562 455584 450 S 6.875 8.385 8.382 0.625 455655 450 S 2.500 4.003 4.008 0.468 455685 450 S 4.625 5.875 5.881 0.625 4457210XX 350 S 1.772 2.835 2.846 0.276 457210XX 350 S 1.772 2.835 2.846 0.472 4457210XX 350 S 1.772 2.835 2.846 0.472 457210XX 350 S 1.772 2.835 2.846 0.472 457210XX 350 S 1.772 2.835 2.846 0.472 457212XX 350 S 1.772 2.835 2.846 0.472 457212XX 350 S 1.772 2.835 2.846 0.472 457212XX 350 S 1.772 2.835 2.846 0.472			S											
455547 450 S 3.875 5.125 5.133 0.500 455556 450 S 2.875 4.376 4.381 0.625 455566 450 S 3.250 4.125 4.130 0.562 455576 450 S 5.375 6.499 6.507 0.562 455583N 450 N 6.187 7.500 7.507 0.562 455584 450 S 6.875 8.385 0.625 455655 450 S 2.500 4.003 4.008 0.468 455685 450 S 4.625 5.875 5.881 0.625 457212XX 350 S 1.772 2.835 2.846 0.276 455807XX 350 S 1.772 2.835 2.846 0.472 455807XX 350 S 1.772 2.835 2.846 0.472 455807XX 350 S 1.772 2.835 2.846 0.472 455807XX 350 S 1.772 2.835														
455566 450 S 3.250 4.125 4.130 0.562 457034 450 V 3.125 70 70.18 10 455576 450 S 5.375 6.499 6.507 0.562 455583N 450 N 6.187 7.500 7.507 0.562 455584 450 S 6.875 8.385 8.382 0.625 455655 450 S 2.500 4.003 4.008 0.468 455685 450 S 4.625 5.875 5.881 0.625 455807XX 350 S 1.772 2.835 2.846 0.276 457210XX 350 S 1.772 2.835 2.843 0.394 456885 450 S 1.772 2.835 2.846 0.472 457212XX 350 S 1.772 2.835 3.543 0.437														
455576											45	70	70.18	10
455583N 450 N 6.187 7.500 7.507 0.562 457207XX 350 S 1.772 2.835 2.846 0.276 455584 450 S 2.500 4.003 4.008 0.468 457210XX 350 S 1.772 2.835 2.846 0.276 455685 450 S 4.625 5.875 5.881 0.625 457210XX 350 S 1.772 2.835 2.843 0.394 457212XX 350 S 1.772 2.835 2.846 0.472 457212XX 457291 450 S 2.750 3.538 3.543 0.437	40000	400	3	J.Z3U	4.120	4.130	0.002	457034	450	V	3.125	4.003	4.008	0.500
455583N 450 N 6.187 7.500 7.507 0.562 457207XX 350 S 1.772 2.835 2.846 0.276 455584 450 S 2.500 4.003 4.008 0.468 457210XX 350 S 1.772 2.835 2.846 0.276 455685 450 S 4.625 5.875 5.881 0.625 457210XX 350 S 1.772 2.835 2.843 0.394 457212XX 350 S 1.772 2.835 2.846 0.472 457212XX 457291 450 S 2.750 3.538 3.543 0.437	455576	450	S	5.375	6.499	6.507	0.562	457006V	4E0	\/	10.000	11 500	11 500	0.750
455584 450 S 6.875 8.382 0.625 455655 450 S 2.500 4.003 4.008 0.468 455685 450 S 4.625 5.875 5.881 0.625 ◆457210XX 350 S 1.772 2.835 2.843 0.394 ★457212XX 350 S 1.772 2.835 2.846 0.472 ★457212XX 350 S 2.750 3.538 3.543 0.437														
455655 450 S 2.500 4.003 4.008 0.468 455685 450 S 4.625 5.875 5.881 0.625								7431201AA	330	3				_
455685 450 S 4.625 5.875 5.881 0.625 4457212XX 350 S 1.772 2.283 2.294 0.276 457291 450 S 2.750 3.538 3.543 0.437								♦457210XX	350	S				
◆455807XX 350 S 1.772 2.283 2.294 0.276 45 58 58.28 7 457291 450 S 2.750 3.538 3.543 0.437	455685	450	S	4.625	5.875	5.881	0.625				45	72	72.20	10
◆455807XX 350 S 1.772 2.283 2.294 0.276 457291 450 S 2.750 3.538 3.543 0.437								♦457212XX	350	S				
45 58 58.28 7	♦455807XX	350	S	1.772	2.283	2.294	0.276	457201	450	0				
455820 450 S 3.000 4.875 4.881 0.625				45	58	58.28	7	401201	450	3	2.730	5.556	5.545	0.437
	455820	450	S	3.000	4.875	4.881	0.625							-

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
457294	450	S	4.000	4.750	4.756	0.562	470138V→	470	V	1.937	2.686	2.690	0.500
♦457295XX	320	S	1.772	2.835	2.844	0.394	470140N	470	N	1.250	1.751	1.757	0.251
457295	250	s	45 4.437	72 5.501	72.25 5.509	10 0.563	470141 470162	470 470	S S	0.750 1.187	1.250 2.000	1.256 2.006	0.252 0.252
457299	450	S	7.750	9.000	9.010	0.625	470162	470	S	1.167	2.000	2.006	0.252
◆457507XX	320	S	1.772 45	2.953 75	2.961 75.20	0.276 7				1.200	2.000	2.000	0.107
			40	75	75.20		470165	470	S	1.250	2.250	2.254	0.500
457585	450	S	4.562	6.250	6.256	0.500	470169 470189	470 470	S S	1.375 1.125	2.250 1.752	2.256 1.758	0.500 0.313
457734	450	S	4.720	6.312	6.318	0.473	470189H	470	Н	1.125	1.752	1.758	0.313
457874	450	S	6.125	7.627	7.633	0.625	470190	470	S	1.500	2.561	2.565	0.500
457997 458009V	450 450	S V	10.500 8.250	12.000 9.500	12.008 9.509	0.625 0.625	ļ 						
4500091	450	v	0.230	9.500	9.509	0.023	470195	470	S	0.312	0.999	1.003	0.375
♦458010XX	350	s	1.772	3.15	3.161	0.394	470199 470204	470 470	S S	0.437 0.812	0.999 1.375	1.003 1.379	0.375 0.406
	350		45 1.772	80	80.28	10	470204	470	S	0.906	1.499	1.503	0.400
♦458510XX		S	45	3.346 85	3.354 85.20	0.394 10	470211	470	S	0.750	1.624	1.630	0.252
◆458513XX	450	S	1.772 45	3.346 85	3.356 85.25	0.512 13	470045	470		0.075	1.004	1.000	0.050
♦466507XX	320	S	1.811	2.559	2.567	0.276	470215 470219	470 470	S S	0.875 1.000	1.624 1.624	1.630 1.630	0.252 0.311
◆467008XX	320	S	46 1.811	65 2.756	65.20 2.764	7 0.315	470230	470	S	1.000	1.752	1.758	0.252
¥407000XX	020	O	46	70	70.20	8	470236	470 470	S S	1.125	1.874 2.062	1.880	0.311
							470241	470	3	1.125	2.062	2.066	0.437
470004	470	S	0.468	1.124	1.126	0.375	470244	470	S	1.250	2.062	2.066	0.437
470005 470009	470 470	S	0.500 0.625	1.124 1.124	1.130 1.130	0.252 0.252	470245	470	S	1.250	2.125	2.131	0.457
470009 470014	470	S S	0.500	1.124	1.130	0.252	470286	470	S	1.625	2.750	2.754	0.500
470018	470	Š	0.625	1.250	1.256	0.252	470308N	470	N	2.125	3.061	3.067	0.500
							470328	470	S	1.187	1.686	1.690	0.375
470023 470025	470 470	S S	0.625 0.687	1.375	1.381 1.379	0.252 0.406	470331N	470	N	1.843	2.750	2.756	0.500
470025 470027	470	S	0.750	1.375 1.375	1.381	0.406	470334	470	S	1.750	2.686	2.690	0.375
470032	470	s	0.875	1.500	1.506	0.311	470336	470	S	1.187	2.250	2.254	0.500
470034	470	S	0.781	1.828	1.832	0.437	470340 470342	470 470	S S	0.750 1.062	1.561 1.983	1.565 1.987	0.375 0.437
							470342	470		1.002	1.905	1.907	0.437
470039 470041	470 470	S S	0.937 1.000	1.828 1.828	1.832 1.832	0.437 0.437	470347	470	S	1.187	2.437	2.441	0.468
470045	470	S	1.125	1.828	1.832	0.437	470351	470	S	1.750	2.437	2.443	0.313
470049	470	S	1.250	1.983	1.989	0.252	470354	470	S	2.187	3.189	3.194	0.437
470050	470	S	1.281	1.983	1.987	0.437	470358 470358N	470 470	S N	1.625 1.625	2.374 2.374	2.380 2.380	0.311 0.311
							47033611	470	11	1.023	2.074	2.300	0.511
470055N 470059	470 470	N S	1.375 1.500	2.374 2.374	2.378 2.380	0.500 0.313	470361	470	S	1.750	2.561	2.567	0.500
470059 470062	470	S	1.437	2.374	2.380	0.313	470362	470	S	1.156	2.125	2.129	0.437
470064	470	S	1.563	2.438	2.444	0.375	470380	470	S	1.500	2.374	2.380	0.311
470066	470	S	1.625	2.438	2.444	0.375	470380A	470	A	1.500	2.374	2.380	0.311
							470380V	470	V	1.500	2.374	2.380	0.311
470074 470077	470 470	S S	1.687 1.500	2.686 2.758	2.690 2.762	0.500 0.500	470390	470	S	0.750	1.874	1.880	0.252
470077 470086	470	S	1.687	3.062	3.066	0.500	470394	470	S	1.500	2.125	2.131	0.311
470088	470	Š	1.750	3.189	3.194	0.437	470398	470	S	0.875	1.375	1.381	0.252
470094	470	S	1.937	3.189	3.194	0.437	470403 470409	470 470	S S	1.375 1.937	2.062 2.412	2.068 2.416	0.438 0.468
470109N	470	N	1.562	2.750	2.754	0.500							
470109N 470119	470	S	0.500	0.999	1.005	0.500	470451	470	S	1.500	2.062	2.068	0.438
470120	470	S	1.000	1.500	1.506	0.311	470460	470 470	S	1.687	2.561	2.565	0.500
470129	470	S	1.312	2.062	2.066	0.437	470487 470487N	470 470	S N	1.500 1.500	2.686 2.686	2.690 2.690	0.500 0.500
470135	470	S	1.375	2.125	2.131	0.311	470503	470	S	1.312	2.437	2.441	0.300

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
470506	470	S	0.718	1.250	1.254	0.375	470989	470	S	1.375	3.000	3.006	0.500
470515	470	S	0.812	1.561	1.565	0.375	471015	470	S	0.937	1.375	1.381	0.252
470530	470	S	2.000	2.996	3.001	0.375	471024	470	S	0.625	1.624	1.628	0.437
470541	470	S	1.000	1.752	1.758	0.252	471076	470	S	1.031	1.575	1.584	0.311
470543	470	S	2.000	2.716	2.720	0.468	471076V	470	V	1.031	1.575	1.584	0.311
470547	470	S	2.881	3.429	3.436	0.291	471100	470	S	1.125	1.624	1.630	0.252
470548	470	S	1.500	2.250	2.256	0.311	471103	470	S	0.375	0.999	1.004	0.250
470553	470	S	1.000	1.500	1.506	0.311	471105	470	S	1.375	2.875	2.879	0.468
470557	470	S	0.625	1.375	1.381	0.252	471137	470	S	0.875	1.828	1.833	0.252
470565	470	S	2.375	3.125	3.131	0.374	471138	470	S	2.250	3.125	3.131	0.374
470567	470	S	0.875	1.375	1.381	0.252	471141	470	S	1.750	2.875	2.879	0.375
470567N	470	Ν	0.875	1.375	1.381	0.252	471169	470	S	1.750	2.411	2.415	0.380
470574N	470	Ν	2.375	3.251	3.256	0.500	471192	470	S	1.375	2.125	2.131	0.311
470588	470	S	0.812	1.575	1.579	0.375	471193	470	S	1.301	2.000	2.004	0.437
470590	470	S	0.875	1.752	1.758	0.252	471195	470	S	1.937	2.502	2.506	0.375
470592	470	S	0.813	1.499	1.505	0.250	471224	470	S	1.000	1.499	1.505	0.252
470593	470	S	1.000	1.828	1.832	0.296	471224A	470	Α	1.000	1.499	1.505	0.252
470596	470	S	1.687	2.835	2.841	0.469	471224V	470	V	1.000	1.499	1.505	0.252
470596V	470	V	1.687	2.835	2.841	0.469	471231	470	S	0.813	1.375	1.381	0.252
470601	470	S	0.781	1.250	1.254	0.250	471255	470	S	0.625	1.375	1.379	0.252
470604	470	S	1.125	2.250	2.254	0.500	471255A	470	Α	0.625	1.375	1.379	0.252
470605	470	S	2.500	3.371	3.378	0.374	471255V	470	V	0.625	1.375	1.379	0.252
470606	470	S	1.063	1.686	1.691	0.313	471264	470	S	0.625	1.250	1.259	0.252
470625	470	S	1.500	2.250	2.256	0.311	♦152807XX	320	S	0.625	1.250	1.259	0.252
470625A	470	Α	1.500	2.250	2.256	0.311	471267	470	S	15 0.875	0.000 1.375	1.102 1.381	0.276 0.252
470625V	470	V	1.500	2.250	2.256	0.311							
470645	470	S	0.875	2.000	2.004	0.437	471267T	470	Ţ	0.875	1.375	1.381	0.252
470672	470	S	1.399	2.250	2.254	0.250	471267A	470	A	0.875	1.375	1.381	0.252
470680	470	S	0.875	1.500	1.506	0.311	471267V	470	V	0.875	1.375	1.381	0.252
470682	470	S	1.563	2.623	2.629	0.313	471268 471268N	470 470	S N	1.375 1.375	2.000 2.000	2.006 2.006	0.311 0.311
470687	470	S	1.687	3.125	3.130	0.500							
470712	470	S	1.125	1.874	1.880	0.250	471270	470	S	1.000	1.561	1.565	0.250
470712A	470	Α	1.125	1.874	1.880	0.250	471271	470	S	2.500	3.251	3.258	0.374
470712V	470	V	1.125	1.874	1.880	0.250	471271A	470	A	2.500	3.251	3.258	0.374
470737	470	S	2.250	3.188	3.195	0.438	471271V 471272	470 470	V S	2.500 2.250	3.251 3.000	3.258 3.006	0.374 0.374
470737N	470	N	2.250	3.188	3.195	0.438							
470764	470	S	2.375	2.996	3.001	0.500	471272N	470	N	2.250	3.000	3.006	0.374
470774	470	S	1.375	2.062	2.073	0.375	471276	470	S	1.375	2.441	2.447	0.375
470774V	470	V	1.375	2.062	2.073	0.375	471276V	470	V	1.375	2.441	2.447	0.375
470806	470	S	1.250	2.835	2.841	0.374	471281 471291V	470 470	S V	0.563 0.625	1.125 1.181	1.131 1.185	0.252 0.350
470808	470	S	1.437	2.750	2.754	0.500	-						
470895	470	Š	0.750	1.375	1.381	0.252	471316	470	S	1.563	2.686	2.692	0.313
470898	470	S	2.125	2.875	2.881	0.374	471337	470	S	0.781	1.752	1.757	0.311
470898A	470	Α	2.125	2.875	2.881	0.374	471341	470	S	2.250	2.996	3.001	0.437
470946	470	S	1.187	2.686	2.690	0.500	471341N 471344	470 470	N S	2.250 1.500	2.996 2.441	3.001 2.447	0.437 0.313
470950	470	S	1.375	2.437	2.441	0.375							
470954	470	S	0.750	1.250	1.256	0.252	471354	470	S	1.187	2.062	2.068	0.250
470954A	470	Ä	0.750	1.250	1.256	0.252	471379	470	S	1.375	3.149	3.155	0.374
470954V	470	V	0.750	1.250	1.256	0.252	471391	470	S	1.937	3.125	3.130	0.375
470987	470	S	2.375	3.481	3.486	0.437	471405	470	S	1.437	3.000	3.005	0.500

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
471407	470	S	1.250	2.441	2.445	0.375	471645	470	S	0.812	1.624	1.628	0.250
471413	470	S	1.250	1.752	1.758	0.250	471645V	470	V	0.812	1.624	1.628	0.250
471413A	470	Α	1.250	1.752	1.758	0.250	471646	470	S	0.875	1.624	1.630	0.252
471413V	470	V	1.250	1.752	1.758	0.250	471647	470	S	0.937	1.624	1.628	0.250
471419 471424	470 470	S S	1.625 2.000	2.438 2.623	2.444 2.629	0.375 0.311	471648 471649	470 470	S S	0.968 1.000	1.624 1.624	1.628 1.630	0.250 0.250
471424A	470	Α	2.000	2.623	2.629	0.311	471649A	470	Α	1.000	1.624	1.630	0.250
471424V	470	V	2.000	2.623	2.629	0.311	471649V	470	V	1.000	1.624	1.630	0.250
471442	470	S	0.500	0.999	1.005	0.252	471651 471652	470	S	1.062	1.624	1.633	0.251
471442A 471442V	470 470	A V	0.500 0.500	0.999 0.999	1.005 1.005	0.252 0.252	471652 471652 A	470 470	S A	1.125 1.125	1.624 1.624	1.630 1.630	0.252 0.252
471443	470	S	0.781	1.375	1.381	0.252	471652V	470	V	1.125	1.624	1.630	0.252
471465	470	S	1.000	1.689	1.695	0.252	471653	470	S	0.625	1.624	1.628	0.312
471466	470	S	0.625	1.124	1.128	0.252	471684	470	S	0.750	1.752	1.756	0.250
471466A 471466V	470 470	A V	0.625 0.625	1.124 1.124	1.128 1.128	0.252 0.252	471686 471688	470 470	S S	0.812 0.968	1.752 1.752	1.756 1.756	0.250
47 1400 V	470	V	0.025	1.124	1.120	0.252	47 1000	470	3	0.900	1./52	1.750	0.250
471472	470	S	0.500	1.250	1.256	0.250	471689	470	S	1.000	1.752	1.758	0.252
471472V	470	V	0.500	1.250	1.256	0.250	471689A	470	Α	1.000	1.752	1.758	0.252
471498	470	S	0.750	1.575	1.584	0.311	471689V	470	V	1.000	1.752	1.758	0.252
471504 471516	470 470	S S	1.750 1.000	2.437 2.441	2.443 2.445	0.313 0.375	471692 471692A	470 470	S A	1.125 1.125	1.752 1.752	1.758 1.758	0.250
47 1310	470		1.000	2.441	2.443	0.575	47 1092A	470		1.125	1.752	1.750	0.230
471526	470	S	0.500	1.124	1.128	0.252	471698	470	S	0.750	1.752	1.756	0.312
471526A 471529	470	A S	0.500	1.124	1.128	0.252	471705 471707	470	S	1.062	1.752 1.752	1.756	0.312
471529 471530	470 470	S	0.687 0.531	1.124 1.124	1.130 1.128	0.252 0.312	471707 471707N	470 470	S N	1.156 1.156	1.752	1.756 1.756	0.312 0.312
471532	470	S	0.593	1.124	1.128	0.312	471709	470	S	1.250	1.752	1.758	0.313
471535	470	S	0.562	1.250	1.254	0.250	471729	470	S	0.812	1.874	1.878	0.250
471538	470	S	0.687	1.250	1.256	0.250	471730	470	S	0.875	1.875	1.881	0.252
471539	470	S V	0.813	1.250	1.256 1.254	0.232	471733	470	S	1.000	1.874	1.880	0.252
471540V 471549	470 470	S	0.781 0.500	1.250 1.375	1.254	0.375 0.250	471735 471736	470 470	S S	1.062 1.156	1.874 1.874	1.878 1.878	0.250 0.250
471551	470	S	0.563	1.378	1.384	0.252	471737	470	S	1.250	1.874	1.880	0.252
471553	470	Š	0.687	1.375	1.379	0.250	471744	470	Š	1.000	1.983	1.987	0.250
471554	470	S	0.750	1.375	1.381	0.252	471747	470	S	1.125	1.983	1.989	0.250
471554A	470	Α	0.750	1.375	1.381	0.252	471750	470	S	1.250	1.983	1.989	0.252
471554V	470	V	0.750	1.375	1.381	0.252	471750A	470	Α	1.250	1.983	1.989	0.252
471555	470	S	0.500	1.375	1.379	0.312	471750V	470	V	1.250	1.983	1.989	0.252
471558 471564	470 470	S S	0.593 0.625	1.375 1.499	1.379 1.505	0.312 0.252	471760 471760A	470 470	S A	1.000 1.000	2.000 2.000	2.006 2.006	0.252 0.252
471567	470	S	0.025	1.499	1.505	0.252	471760A 471760V	470	V	1.000	2.000	2.006	0.252
471570	470	S	0.875	1.499	1.503	0.250	471762	470	S	1.063	2.000	2.006	0.250
471570V	470	V	0.875	1.499	1.503	0.250	471763	470	S	1.125	2.000	2.006	0.252
471571	470	S	0.937	1.499	1.503	0.250	471763A	470	Α	1.125	2.000	2.006	0.252
471571V	470	V	0.937	1.499	1.503	0.250	471763V	470	V	1.125	2.000	2.006	0.252
471579 471612	470 470	S S	0.687 0.625	1.499 1.574	1.503 1.580	0.312 0.311	471765 471766	470 470	S S	1.187 1.250	2.000 2.000	2.006 2.006	0.252 0.252
474040	4=0		1 000	0.000	0.000	0.050	4747001	4=0		4.050	0.000	0.000	0.055
471619 471633	470 470	S S	1.000 0.875	2.062 1.577	2.066 1.581	0.250 0.250	471766A 471766V	470 470	A V	1.250 1.250	2.000 2.000	2.006 2.006	0.252 0.252
471642	470	S	0.687	1.624	1.628	0.250	471766V 471772	470	s S	1.250	2.000	2.006	0.252
471643	470	S	0.750	1.624	1.630	0.252	471785	470	S	1.125	2.062	2.066	0.250

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
471787	470	S	1.250	2.062	2.066	0.250	472164V	470	V	1.750	2.502	2.508	0.311
471787A 471795 471795N 471801 471808	470 470 470 470 470	A S N S	1.250 1.250 1.250 1.250 1.250	2.062 2.125 2.125 2.252 2.374	2.066 2.131 2.131 2.256 2.380	0.250 0.250 0.250 0.375 0.311	472179 472179A 472185 472189A← 472193	470 470 470 470 470	S A S S S	1.750 1.750 1.750 1.500 1.750	2.750 2.750 2.623 2.377 2.561	2.756 2.756 2.629 2.629 2.566	0.311 0.311 0.311 0.311 0.312
471817 471818 471820 471821 471827	470 470 470 470 470	S S S S	1.812 1.250 1.500 1.563 1.562	2.437 2.437 2.437 2.438 2.441	2.441 2.443 2.441 2.444 2.445	0.468 0.311 0.375 0.375 0.375	472213 472222 472234 472238 472239	470 470 470 470 470	S S S S	1.563 1.531 2.187 0.968 1.156	2.250 2.374 2.996 2.440 2.834	2.256 2.379 3.001 2.445 2.839	0.311 0.375 0.375 0.375 0.375
471829 471829V 471831 471833 471835	470 470 470 470 470	S V S S S	1.625 1.625 1.750 1.250 1.375	2.438 2.438 2.441 2.502 2.500	2.444 2.444 2.447 2.506 2.506	0.375 0.375 0.374 0.375 0.313	472258 472258A 472258V 472287 472299V	470 470 470 470 470	S A V S V	1.375 1.375 1.375 1.375 1.563	2.000 2.000 2.000 2.106 2.374	2.006 2.006 2.006 2.110 2.380	0.311 0.311 0.311 0.312 0.311
471841 471845N 471847N 471854 471866	470 470 470 470 470	S N N S	1.843 1.250 1.375 1.937 1.812	2.502 2.561 2.561 2.561 2.686	2.506 2.565 2.567 2.565 2.690	0.375 0.500 0.374 0.500 0.375	472299 472311 472311V 472319 472324	470 470 470 470 470	S S V S S	1.563 1.000 1.000 1.937 0.980	2.374 1.437 1.437 2.623 1.500	2.380 1.441 1.441 2.629 1.506	0.311 0.250 0.250 0.313 0.252
471868 471869 471870 471883 471887	470 470 470 470 470	S S S S	1.875 1.937 2.000 2.000 2.437	2.686 2.686 2.686 2.686 3.125	2.692 2.692 2.692 2.690 3.130	0.313 0.311 0.374 0.437 0.375	472324A 472324V 472341 472350 472354	470 470 470 470 470	A V S S S	0.980 0.980 2.000 1.187 1.375	1.500 1.500 2.742 2.165 1.874	1.506 1.506 2.748 2.169 1.880	0.252 0.252 0.375 0.250 0.313
471904 471915 471923N 471950 471952	470 470 470 470 470	S S N S	1.313 1.500 1.625 2.125 2.187	2.835 2.835 2.875 2.758 2.835	2.841 2.839 2.879 2.762 2.839	0.375 0.468 0.437 0.437 0.468	472394 472397 472419 472432 472439	470 470 470 470 470	S S S S S	1.937 2.000 1.625 1.188 1.875	3.000 3.000 2.116 2.440 2.623	3.006 3.006 2.120 2.446 2.629	0.311 0.311 0.312 0.251 0.313
471958 471981 471984 472012 472015	470 470 470 470 470	S S S S S	1.500 1.687 1.750 2.062 2.125	3.000 3.000 3.000 3.000 3.000	3.006 3.006 3.006 3.006 3.005	0.374 0.375 0.374 0.311 0.375	472439A 472439V 472446 472452 472466	470 470 470 470 470	A V S S S	1.875 1.875 1.500 0.843 1.500	2.623 2.623 3.149 1.374 2.048	2.629 2.629 3.155 1.378 2.052	0.313 0.313 0.438 0.312 0.375
472015V 472016 472018 472020 472029	470 470 470 470 470	V	2.125 2.125 2.187 2.187 2.500	3.000 3.125 3.000 3.125 3.189	3.005 3.131 3.006 3.131 3.194	0.375 0.374 0.374 0.375 0.375	472467 472475 472492 472492A 472535	470 470 470 470 470	S S S A S	0.500 1.187 2.000 2.000 1.125	1.378 1.874 2.750 2.750 2.533	1.382 1.880 2.756 2.756 2.537	0.406 0.252 0.311 0.311 0.250
472041 472070 472082 472138 472144	470 470 470 470 470	S S S S S	1.875 1.812 2.000 1.000 1.937	2.502 2.623 2.884 2.047 2.875	2.506 2.627 2.890 2.051 2.881	0.375 0.375 0.311 0.312 0.313	472536 472538 472539 472554 472560N	470 470 470 470 470	S S S S N	1.250 0.750 1.000 1.500 1.125	2.877 2.127 2.533 1.983 1.561	2.881 2.131 2.537 1.989 1.567	0.250 0.250 0.250 0.252 0.252
472150 472157 472164 472164A	470 470 470 470	S S S A	2.313 4.250 1.750 1.750	3.125 5.251 2.502 2.502	3.131 5.256 2.508 2.508	0.375 0.375 0.311 0.311	472572 472591 472635 472636	470 470 470 470	S S S	1.875 1.500 1.552 2.250	2.750 2.328 2.502 3.251	2.756 2.332 2.506 3.258	0.311 0.437 0.500 0.374

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
472642	470	S	1.375	2.047	2.053	0.311	473215	470	S	1.375	2.374	2.380	0.311
472642V	470	V	1.375	2.047	2.053	0.311	473224	470	S	1.437	2.125	2.131	0.313
472644	470	S	1.125	2.047	2.053	0.311	473225	470	S	1.437	2.374	2.380	0.311
472644V	470	V	1.125	2.047	2.053	0.311	473226	470	S	1.437	2.502	2.508	0.311
472649	470	S	0.750	2.047	2.053	0.311	473227	470	S	1.500	2.125	2.131	0.311
472651V	470	V	1.250	3.150	3.155	0.375	473227V	470	V	1.500	2.125	2.131	0.311
472653	470	S	2.000	2.835	2.839	0.375	473228	470	S	1.500	2.502	2.508	0.311
472653V 472655	470 470	V S	2.000 1.437	2.835 2.312	2.839 2.318	0.375 0.374	473229 473230	470 470	S S	1.563 1.625	2.502 2.250	2.508 2.256	0.311 0.311
472658	470	S	1.375	2.835	2.841	0.374	473231	470	S	1.625	2.230	2.380	0.31
472660	470	Š	1.656	2.938	2.944	0.374	473231A	470	Ä	1.625	2.374	2.380	0.311
472674	470	S	1.125	1.983	1.987	0.375	473232	470	S	1.625	2.623	2.629	0.311
472681	470	Š	1.125	2.441	2.445	0.375	473233	470	Š	1.687	2.374	2.380	0.31
472681V	470	V	1.125	2.441	2.445	0.375	473234	470	S	1.687	2.502	2.508	0.311
472705	470	S	0.562	0.999	1.005	0.250	473235	470	S	1.687	2.623	2.629	0.311
472747	470	S	1.875	2.470	2.475	0.437	473236	470	S	1.687	2.750	2.756	0.311
472758V	470	٧	1.625	2.502	2.506	0.250	473237	470	S	1.750	2.374	2.380	0.311
472810	470	S	0.437	0.875	0.881	0.252	473237V	470	V	1.750	2.374	2.380	0.311
472826	470	S	1.312	2.062	2.066	0.312	473238	470	S	1.875	2.875	2.881	0.311
472843	470	S	1.375	2.623	2.627	0.375	473239	470	S	1.875	3.000	3.006	0.313
472856	470	S	2.375	3.350	3.355	0.438	473240	470	S	1.872	3.125	3.131	0.313
472878	470	S	0.735	1.248	1.252	0.250	473241	470	S	1.937	2.750	2.756	0.313
472924	470	S	2.000	2.875	2.881	0.311	473242	470	S	2.000	3.125	3.131	0.311
472950 472951	470 470	S S	0.813 0.937	2.441 1.750	2.447 1.756	0.313 0.311	473243 473244	470 470	S S	2.125 2.187	3.251 2.875	3.258 2.881	0.374 0.374
472953V	470	V	1.063	2.835	2.841	0.374	473245	470	S	2.187	3.251	3.258	0.374
472953	470	S	1.063	2.835	2.841	0.374	473258	470	S	1.375	2.561	2.567	0.374
472954	470	Š	1.125	2.835	2.841	0.374	473259	470	S	1.125	2.441	2.445	0.250
472954V	470	V	1.125	2.835	2.841	0.374	473274	470	S	2.500	3.428	3.435	0.375
473010	470	S	1.625	2.502	2.508	0.311	473274N	470	Ν	2.500	3.428	3.435	0.375
473010A	470	Α	1.625	2.502	2.508	0.311	473313	470	S	1.750	3.061	3.066	0.375
473010N	470	N	1.625	2.502	2.508	0.311	473317	470	S	1.688	2.328	2.334	0.313
473016	470	S	1.437	2.250	2.256	0.311	473336	470	S	1.719	2.561	2.567	0.500
473096	470	S	0.375	0.875	0.880	0.250	473367	470	S	1.625	2.437	2.441	0.312
473117 473135V	470 470	S V	1.625 1.250	2.328 1.686	2.332 1.691	0.437 0.250	473380 473405	470 470	S S	1.000 0.593	1.575 1.250	1.579 1.254	0.250 0.312
473157 473179	470 470	S S	1.750 1.875	2.449 2.758	2.453 2.764	0.312 0.313	473406 473407	470 470	S S	0.750 0.750	1.828 1.983	1.832 1.987	0.375 0.250
473197	470	S	1.375	2.835	2.841	0.311	473412	470	S	0.812	1.828	1.832	0.375
473197V	470	V	1.375	2.835	2.841	0.311	473413	470	S	0.843	1.499	1.503	0.250
473203	470	S	1.187	1.752	1.758	0.252	473414	470	S	0.843	1.624	1.628	0.250
473204	470	S	2.125	2.750	2.756	0.374	473415	470	S	0.843	1.828	1.832	0.312
473205	470	S	1.187	2.125	2.131	0.250	473416	470	S	0.737	1.375	1.379	0.343
473210	470	S	1.313	2.000	2.006	0.313	473419	470	S	1.062	1.828	1.832	0.375
473211 473212A	470 470	S A	1.313 1.313	2.125 2.250	2.131 2.256	0.311 0.311	473420 473421	470 470	S S	1.062 1.312	2.062 2.106	2.066 2.110	0.375 0.375
470040	470		1 010	0.050	0.050	0.04 1	470400	4=0		1 010	4.000	1.00=	0.07
473212 473213	470 470	S S	1.313	2.250	2.256	0.311	473422 473423	470 470	S	1.312	1.983 1.874	1.987	0.375
473213 473214	470 470	S	1.313 1.375	2.374 2.250	2.380 2.256	0.313 0.311	473423 473424	470 470	S S	1.312 1.281	2.000	1.878 2.011	0.375 0.374
473214 473214A	470	A	1.375	2.250	2.256	0.311	473424 473425	470	S	1.261	1.828	1.832	0.372
	-170	, ,		00	00	0.011		-170	0	07			5.57

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
473426	470	S	1.187	1.983	1.987	0.375	473814 ◆473823	470 470	S S	1.968 1.378 35	2.623 2.165 55	2.627 2.172 55.17	0.312 0.315 8
473427	470	S	1.156	2.062	2.068	0.374				00	55	55.17	
473428 473435	470 470	S S	1.156 1.343	1.984 2.106	1.988 2.110	0.250 0.375	474069	470	S	2.125	2.561	2.565	0.492
473436	470	S	1.343	2.100	2.110	0.375	474127	470	Š	1.417	2.250	2.254	0.250
473437	470	S	1.437	2.623	2.627	0.375	474131	470	S	0.750	1.302	1.306	0.250
							♦ 474133	470	S	1.575 40	2.913 74	2.918 74.12	0.394 10
473438	470	S	1.468	2.375	2.379	0.375	♦ 474134	470	S	1.969	0.103	2.618	0.512
473439	470	S	1.468	2.437	2.441	0.375				50	2.62	66.50	13
473440 473441	470 470	S S	1.500 1.563	2.750 2.750	2.754 2.756	0.312 0.375							
473443	470	S	1.625	2.750	2.754	0.375	◆474161	470	S	1.575	0.101	2.559	0.374
							474216	470	S	40 1.625	2.56 2.562	65.00 2.565	9.50 0.375
473444	470	S	1.625	2.875	2.881	0.313	474230	470	Š	2.875	3.540	3.548	0.315
473444V	470	V	1.625	2.875	2.881	0.313	474241V→	470	V	1.654	2.283	2.290	0.276
473445	470	S	1.687	2.437	2.441	0.312	474250	470	S	1.000	1.686	1.692	0.250
473446	470	S S	1.687 1.750	2.875	2.879	0.375	-						
473447	470	3	1.750	2.758	2.762	0.375	474252	470	S	0.937	1.752	1.756	0.250
472440	470	0	1.750	2.996	2.001	0.275	474253 474254	470 470	S S	0.812 1.187	1.499 2.437	1.503 2.441	0.250 0.250
473448 473449	470 470	S S	1.750	2.996	3.001 2.754	0.375 0.375	474255	470	S	1.187	2.250	2.254	0.250
473450V	470	V	1.812	2.875	2.879	0.375	474256	470	S	1.187	2.441	2.445	0.250
473451	470	S	1.843	2.623	2.627	0.375							
473452	470	S	1.843	2.750	2.754	0.375	474260	470	S	1.156	1.686	1.690	0.250
							474261	470	S	0.687	1.187	1.191	0.187
473453	470	S	1.843	2.875	2.879	0.375	474264 474265	470 470	S S	1.437 1.687	2.437 2.686	2.441 2.691	0.312 0.312
473454 473455	470 470	S S	1.875 1.875	2.502 2.835	2.506 2.839	0.315 0.375	474269	470	S	1.937	2.437	2.441	0.250
473458	470	Š	1.875	3.189	3.194	0.375							
473459	470	S	1.937	2.686	2.690	0.312	474272	470	S	2.000	2.716	2.721	0.375
							474273	470	S	0.781	1.828	1.833	0.250
473460	470	S	1.938	2.996	3.002	0.313	474274 474276	470	S	1.625	2.750	2.754	0.312
473461 473462	470 470	S S	1.937 1.937	3.061 3.189	3.066 3.194	0.375 0.375	474276	470 470	S S	1.500 0.437	1.983 1.124	1.989 1.128	0.252 0.250
473463	470	S	2.000	3.061	3.067	0.375							0.200
473464	470	S	2.000	3.189	3.194	0.375	474278	470	S	1.250	1.688	1.694	0.252
							474279N	470	Ň	0.375	0.836	0.841	0.187
473466	470	S	2.062	2.996	3.001	0.375	474281	470	S	1.500	2.758	2.763	0.312
473467	470	S	2.125	2.996	3.001	0.750	475001	470 470	S N	2.500	3.543 3.623	3.548	0.500 0.469
473468 473471	470 470	S S	2.125 2.187	3.061 3.062	3.067 3.066	0.500 0.375	4/5003N	4/0	IN	2.625	3.023	3.630	0.403
473473	470	S	2.250	3.061	3.067	0.375	475004H	470	Н	2.750	3.751	3.756	0.500
							475009N	470	N	2.750	3.876	3.883	0.374
473474	470	S	2.375	3.061	3.067	0.375	475012N	470	Ν	2.937	4.003	4.008	0.468
473475	470	S	2.375	3.189	3.194	0.375	475095	470	S	2.375	3.500	3.505	0.375
473476 473400	470 470	N	2.500	3.150	3.155	0.315	475095N	470	N	2.375	3.500	3.505	0.375
473490 473517	470 470	S S	1.562 1.562	3.150 2.125	3.155 2.129	0.312 0.375	4750041	470	N 1	0.050	0.000	0.000	0.400
							475234N 475322N	470 470	N N	2.250 2.750	3.623 3.543	3.628 3.550	0.468 0.438
473546	470	S	0.551	1.000	1.004	0.312	475368N	470	N	2.625	3.500	3.505	0.500
473551	470	S	1.250	2.047	2.058	0.297	475380N	470	N	2.375	3.623	3.628	0.468
473560N→	470	N	1.654	56.000	2.206	0.275	475384	470	S	2.812	4.003	4.008	0.468
473573 ◆473677	470 470	S S	2.375 1.575	3.000 2.165	3.005 2.176	0.375 0.315	485.55		_	0.55-	0.000	0.000	
* -13011	470	3	40	2.165 55	55.27	0.313	475458	470 470	S	2.625	3.623	3.630	0.374
							475500 475845	470 470	S S	3.298 4.000	4.125 4.999	4.130 5.004	0.562 0.375
473694	470	S	1.625	2.000	2.004	0.250	475960	470	Š	2.750	3.876	3.883	0.374
473796	470	S	1.750	2.565	2.571	0.313							
473812	470	S	1.312	2.166	2.172	0.375							
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Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
476023N	470	N	3.000	3.751	3.756	0.375	481181	480	S	1.625	2.125	2.131	0.252
							481181N 481195	480 480	N S	1.625 1.937	2.125 2.502	2.131 2.506	0.252 0.375
▶476208XX	320	S	1.85	2.441	2.449	0.315	481213	480	S	1.190	1.687	1.693	0.373
470001	470	0	47	62	62.20	8	481224V	480	V	1.000	1.499	1.503	0.250
476281 476283N	470 470	S N	2.750 2.750	4.125 4.249	4.132 4.254	0.563 0.500							
476424N	470	N	3.500	4.750	4.758	0.500	481397	480	9	0.656	1.575	1.579	0.250
476470	470	S	3.250	4.249	4.256	0.375	481443	480	S S	0.030	1.375	1.381	0.250
							481481	480	S	0.668	1.187	1.191	0.185
476500N	470	N	2.938	3.938	3.945	0.500	481528	480	S	0.656	1.124	1.128	0.250
♦476508XX	320	S	1.85	2.559	2.567	0.300	481537	480	S	0.656	1.250	1.254	0.250
· 00007131	020		47	65	65.20	8							
476512	470	S	1.969	4.331	4.336	0.374	481538	480	S	0.687	1.250	1.256	0.250
476514	470	S	2.556	3.937	3.942	0.375	481538V	480	V	0.687	1.250	1.256	0.250
476517	470	S	3.934	5.905	5.911	0.500	481568	480	S	0.781	1.499	1.503	0.250
							481571V	480	V	0.937	1.499	1.503	0.250
476518	470	S	4.331	6.693	6.700	0.500	481644	480	S	0.781	1.624	1.628	0.250
476535	470	S	2.125	3.149	3.154	0.375							
476574N	470	N	2.750	3.937	3.942	0.500	481650	480	S	1.031	1.624	1.628	0.250
♦476810XX	320	S	1.85 47	2.677 68	2.688 68.27	0.394 10	481652V	480	V	1.125	1.624	1.628	0.250
476820	470	S	1.750	3.937	3.942	0.312	481792	480	S	1.125	2.125	2.129	0.250
				0.00.	0.0		481826	480	S	1.437	2.441	2.445	0.375
470000	470	_	4 405	4 000	4 000	0.040	481834	480	S	1.312	2.502	2.506	0.375
476838 476842	470 470	S S	1.125 5.500	1.828	1.832 6.257	0.312 0.500	-						
◆477010XX	320	S	1.85	6.250 2.756	2.764	0.394	481837	480	S	1.500	2.502	2.508	0.375
V-1/1010XX	020	O	47	70	70.20	10	481859	480	S	1.250	2.686	2.690	0.375
477055	470	S	3.330	4.125	4.130	0.562	481864	480	S S	1.625	2.686	2.692	0.313
477069	470	S	2.598	4.000	4.005	0.500	481992 482069N	480 480	N	1.812 0.860	3.125 1.437	3.130 1.441	0.375 0.250
477163N	470	N	3.000	4.501	4.506	0.468	400400	400		4 750	0.000	0.004	0.400
477872	470	S	2.750	-		0.315	482126 482163	480 480	S S	1.750 1.374	2.328 1.983	2.334	0.438 0.311
480055	480	S	1.375	2.374	2.380	0.500	482163N	480	N	1.374	1.983	1.989 1.989	0.311
480067	480	S	1.500	2.502	2.506	0.437	482164N	480	Ň	1.750	2.502	2.508	0.311
480210	480	S	1.055	1.499	1.500	0.268	482208	480	S	1.125	1.624	1.630	0.252
480281	480	S	1.812	2.758	2.762	0.500	482230N	480	N	1.250	2.125	2.131	0.251
480303	480	S	2.125	3.000	3.006	0.500	482253	480	S	1.593	2.502	2.506	0.251
480356 480479H	480 480	S H	1.250 1.687	1.687 2.437	1.693 2.441	0.313 0.468	482258V	480	V	1.375	2.000	2.004	0.312
480491	480	S	2.750	3.481	3.486	0.400	482267	480	S	1.750	3.153	3.159	0.312
100131	400		2.750	0.401	0.400		482309	480	S	0.968	1.850	1.854	0.375
480519 480570	480 480	S S	2.500	3.251 2.000	3.256 2.006	0.500 0.311	482310	480	S	0.968	2.048	2.052	0.375
480574H	480	Н	1.375 2.375	3.252	3.256	0.511	482415	480	S	1.496	2.058	2.063	0.250
480581	480	S	1.594	2.125	2.129	0.250	482576N	480	N	1.375	2.125	2.131	0.311
480625V	480	V	1.500	2.250	2.524	0.312	483054N	480	N	1.175	1.828	1.832	0.312
-							483230V	480	V	1.625	2.250	2.254	0.312
480630	480	S	1.500	2.062	2.066	0.250	483238V	480	V	1.875	2.875	2.879	0.312
480821	480	S	0.750	1.312	1.316	0.250	483246N	480	Ň	2.375	3.251	3.256	0.375
480844 480889	480 480	S S	1.500 0.812	2.222 1.312	2.226 1.316	0.312 0.250	483323V	480	V	2.250	3.000	3.005	0.438
480954	480	S	0.612	1.250	1.256	0.250	483367V	480	V	1.625	2.437	2.441	0.312
.0000	-100		0.700	200	200		483488 →	480	S	1.175	1.771	1.775	0.275
480954V	480	V	0.750	1.250	1.256	0.250	483793	480	S	1.343	2.441	2.445	0.375
480988H 480991	480 480	H S	2.375 1.500	3.061 2.062	3.066 2.066	0.500 0.375	484054	480	Š	1.326	2.061	2.065	0.375
481073	480	S	0.656	1.376	1.382	0.375	484058	480	S	1.322	2.227	2.231	0.375
481163	480	S	1.500	2.000	2.006	0.230	484064V	480	V	2.062	2.561	2.565	0.313
	.00	_				0.0.0	484156V	480	V	1.375	1.874	1.879	0.250

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Mati	Shaft	Bore	O.D.	Width
484206	480	S	1.618	2.000	2.004	0.235	♦508008XX	350	S	1.969	3.15	3.161	0.315
485027 485195H	480 480	N H	3.500 4.250	4.999 5.251	5.004 5.256	0.468 0.468	♦508508XX	320	S	50 1.969	80 3.346	80.28 3.354	8 0.315
485364N	480	Ν	2.750	3.500	3.505	0.500			S	50	85	85.20	8
485497	480	S	3.625	4.875	4.883	0.500	◆509008XX	320		1.969 50	3.543 90	3.551 90.20	0.315 8
♦486208XX	350	S	1.89	2.441	2.445	0.315	♦509010XX	350	S	1.969 50	3.543 90	3.554 90.28	0.394 10
			48	62	62.10	8							
♦486309XX	470	S	1.89 48	2.48 63	2.484 63.09	0.354 9	♦516507XX	470	S	2.008	2.559	2.563	0.276 7
◆486510XX	320	S	1.89 48	2.559 65	2.571 65.30	0.394 10	♦526509XX	350	S	51 2.047	65 2.559	65.10 2.571	0.354
♦486810XX	320	Ν	1.89	2.677	2.688	0.394	♦526808XX	350	S	52 2.047	65 2.677	65.30 2.688	9 0.315
486857	480	S	48 2.648	68 3.812	68.27 3.817	10 0.500				52	68	68.28	8
							♦526910XX	350	S	2.047 52	2.717 69	2.728 69.28	0.394 10
♦487008XX	350	S	1.89	2.756	2.764	0.315	♦527008XX	320	S	2.047 52	2.756 70	2.764 70.20	0.315 8
♦487009XX	350	S	48 1.89	70 2.756	70.20 2.767	8 0.354					70	70.20	
♦487207XX	320	S	48 1.89	70 2.835	70.28 2.847	9 0.276	♦527208XX	350	S	2.047	2.835	2.843	0.315
			48	72	72.31	7	♦527512XX	350	S	52 2.047	72 2.953	72.20 2.964	8 0.472
487344V 487397V→	480 480	V V	2.875 3.625	3.751 4.624	3.756 4.630	0.375 0.500			S	52 2.047	75	75.28	12 0.394
							♦528010XX ↔	320		52	3.15 80	3.161 80.28	10
♦487510XX	320	S	1.89	2.953	2.961	0.394	♦528208XX	320	S	2.047 52	3.228 82	3.236 82.20	0.315
487945	480	S	48 2.000	75 3.623	75.20 3.628	10 0.375	♦528507XX	320	S	2.047	3.346	3.354	0.315
♦488008XX	320	S	1.89 48	3.15 80	3.157 80.20	0.315 8				52	85	85.20	8
♦489010XX	350	S	1.89	3.543	3.551	0.394	♦546508XX	320	S	2.126	2.559	2.567	0.315
490936	#	S	48 1.875	90 2.567	90.20 2.561	10 0.312	♦547210XX	320	S	54 2.126	65 2.835	65.20 2.844	8 0.394
										54	72	72.25	10
492702	490	S	2.000	2.624	2.630	0.250	♦547308XX	320	S	2.126 54	2.874 73	2.882 73.20	0.315 8
493291 493524	490 490	S S	2.281 2.000	3.154 2.846	3.161 2.850	0.375 0.375	♦548210XX	320	S	2.126 54	3.228 82	3.242 82.35	0.394 10
493629	490	S	2.321	3.000	3.004	0.313	♦548510XX	320	S	2.126	3.346	3.357	0.394
493637	490	S	2.328	3.000	3.006	0.375				54	85	85.28	10
♦ 494117	490	S	1.654	2.213	2.224	0.236	♦556808XX	320	S	2.165	2.6767	2.688	0.315
♦ 494122	490	S	42 1.772	56.20 2.441	56.49 2.447	6 0.236	♦557008XX	350	S	55 2.1665	68 2.756	68.28 2.767	8 0.315
			45	62	62.15	6				55	70	70.27	8
♦ 494123	490	S	2.008 51	2.480 63	2.487 63.17	0.236 6	♦557208XX	350	S	2.165 55	2.835 72	2.844 72.25	0.315 8
♦506207XX	350	S	1.969 50	2.441 62	2.452 62.28	0.276 7	♦557508XX	350	S	2.165 55	2.953	2.961 75.20	0.315 8
◆506508XX	320	S	1.969	2.559	2.57	0.315	♦557510XX	350	S	2.165	75 2.953	2.967	0.394
			50	65	65.28	8				55	75	75.35	10
♦506808XX	350	S	1.969	2.677	2.688	0.315	♦557810XX	350	S	2.165	3.071	3.082	0.394
			50	68	68.28	8				55	78	78.28	10
♦507008XX	320	S	1.969 50	2.756 70	2.764 70.20	0.315 8	◆558008XX	350	S	2.165 55	3.15 80	3.161 80.28	0.315 8
♦507009XX	320	S	1.969 50	2.756 70	2.764 70.20	0.354 9	♦558212XX	350	S	2.165 55	3.228 82	3.24 82.30	0.472 12
♦507208XX	350	S	1.969	2.835	2.846	0.315	♦558510XX	350	S	2.165	3.346	3.359	0.394
♦507507XX	320	S	50 1.969	72 2.953	72.28 2.961	8 0.276	♦558808XX↔	320	S	55 2.165	85 3.465	85.31 3.472	10 0.315
		-	50	75	75.20	7		-	-	55	88	88.20	8
♦507512XX	320	S	1.000	2.052	2.064	0.470	↑ EE0012VV	250	· ·	0 165	2 5 4 2	2 5 5 4	0.510
	320	5	1.969	2.953	2.964	0.472	♦559013XX	350	S	2.165	3.543	3.554	0.512

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
♦566810XX	480	N	2.205	2.677	2.682	0.394	♦638510XX	320	S	2.48 63	3.346	3.357	0.394
♦567008XX	350	S	56 2.205	68 2.756	68.12 2.764	10 0.315	♦639010XX	320	S	2.48	85 3.543	85.28 3.549	0.394
♦567207XX	320	S	56 2.205	70 2.835	70.20 2.843	8 0.27 <u>6</u>	♦648008XX	320	S	63 2.52	90 3.15	90.14 3.161	0.315
♦567507XX	320	S	56 2.205 56	72 2.953 75	72.20 2.961 75.20	7 0.276 7	♦658008XX	320	S	64 2.559 65	80 3.15 80	80.28 3.161 80.28	8 0.315 8
◆568008XX	320	S	2.205 56	3.15 80	3.161 80.28	0.315	♦658508XX	350	S	2.559 65	3.346 85	3.354 85.20	0.315
♦568208XX	320	S	2.205 56	3.228 82	3.236 82.20	0.315 8	♦658510XX	350	S	2.559 65	3.346 85	3.357 85.27	0.394
♦568508XX	350	S	2.205	3.346	3.357	0.315	♦658808XX	350	S	2.559	3.465	3.472	0.315
♦568808XX	320	S	56 2.205	85 3.465	85.28 3.472	8 0.315	♦658810XX	320	S	65 2.559	88 3.465	88.20 3.472	0.394
◆569008XX	320	S	56 2.205 56	88 3.543 90	88.20 3.551 90.20	0.315 8	♦659007XX	320	S	65 2.559 65	88 3.543 90	88.20 3.551 90.20	10 0.276 7
◆578513XX	320	S	2.244 57	3.346 85	3.354 85.20	0.512 13	♦659010XX	350	S	2.559 65	3.543 90	3.554 90.28	0.394
♦587208XX	350	S	2.283	2.835	2.846 72.28	0.315	♦659013XX	350	S	2.559 65	3.543	3.551 90.20	0.512
♦587511XX	350	S	58 2.283	72 2.953	2.964	0.433	♦688207XX	350	S	2.677	90 3.228	3.236	13 0.27 <u>6</u>
♦588008XX	350	S	58 2.283	75 3.15	75.28 3.161	11 0.315	♦688508XX	350	S	68 2.677	3.346	82.20 3.354	0.315
◆588513XX	320	S	58 2.283 58	80 3.346 85	80.28 3.356 85.25	0.512 13	◆689007XX	320	S	68 2.677 68	85 3.543 90	85.20 3.551 90.20	8 0.276 7
♦588808XX	320	S	2.283	3.465	3.472	0.315	◆689010XX	350	S	2.677	3.543	3.556	0.394
♦589010XX	350	S	58 2.283 58	88 3.543 90	88.20 3.554 90.28	8 0.394 10	♦689510XX	350	S	68 2.677 68	90 3.74 95	90.32 3.748 95.20	10 0.394 10
♦607208XX	350	S	2.362	2.835 72	2.846 72.28	0.315	◆708508XX	350	S	2.756 70	3.346 85	3.357 85.28	0.315
♦607508XX	350	S	2.362	2.953	2.964	0.315 8	♦708808XX	480	S	2.756	3.465	3.474	0.315
♦608008XX	350	S	2.362 60	75 3.15 80	75.28 3.157 80.20	0.315 8	◆708812XX	320	S	70 2.756 70	88 3.465 88	88.25 3.474 88.25	8 0.472 12
♦608207XX	320	S	2.362	3.228	3.236	0.276	◆709007XX	320	S	2.756	3.543	3.551	0.276
♦608212XX	350	S	60 2.362	82 3.228	82.20 3.24	7 0.472	◆709010XX	350	S	70 2.756	90 3.543	90.20 3.556	7 0.394
♦608508XX	350	S	60 2.362	82 3.346	82.30 3.357	12 0.315	♦709212XX	320	S	70 2.756	90 3.622	90.32 3.63	10 0.472
♦608512XX	320	S	60 2.362	85 3.346	85.28 3.354	8 0.472	♦709510XX	350	S	70 2.756	92 3.74	92.20 3.751	12 0.394
♦609008XX	320	S	60 2.362 60	85 3.543 90	85.20 3.553 90.25	12 0.315 8	◆709513XX	350	S	70 2.756 70	95 3.74 95	95.28 3.751 95.28	10 0.512 13
♦609010XX	350	S	2.362	3.543	3.554	0.394	710005	860	S	1.750	3.062	3.066	0.485
♦609508XX	320	S	60 2.362	90 3.74	90.27 3.748	10 0.315	710006→ 710007	740 #	N S	2.375 2.000	4.500 3.370	4.504 -	1.060 1.020
♦628009XX	320	S	60 2.441	95 3.15	95.20 3.157	0.315	710008 710009	740 #	N U	3.000 3.000	5.750 4.000	5.758 4.004	0.449 0.656
♦628010XX	350	S	62 2.441	80 3.15	80.20 3.161	0.394							
♦628508XX	410	S	62 2.441 62	80 3.346 85	80.28 3.352 85.13	10 0.315 8	710010 710011 710012	# # #	U U U	2.750 3.000 1.500	3.750 4.000 2.250	3.756 4.008 2.254	0.500 0.500 0.375
♦629010XX	350	S	2.441 62	3.543 90	3.554 90.28	0.394	710013 710014	#	U	1.750 1.250	2.438 1.750	2.441 1.754	0.375 0.250

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
710015 710016 710017	# # #	U U U	3.500 3.250 2.000	4.500 4.250 2.688	4.506 4.255 2.690	0.500 0.500 0.375	♦710072	#	S	2.244 57	3.110 79	3.120 79.25	0.539 13.70
710018 710019	#	U	2.500 1.875	3.250 2.875	3.255 2.878	0.375 0.625	♦710073	#	S	2.126 54	2.972 75.50	2.983 75.78	0.709 18
710020	#	U	1.500	2.250	2.253	0.500	♦710074	#	S	2.244	3.110	3.120 79.25	0.539
710022 710023 710024 710025	450 # # #	H U U	4.000 1.500 1.750 2.000	4.998 2.000 2.250 2.500	5.006 2.004 2.254 2.504	0.500 0.250 0.250 0.250	710075← 710076 710077	320 # 320	V S S	2.832 1.350 3.375	3.622 1.620 3.948	3.633 1.625 3.955	0.374 0.355 0.375
							♦710078	470	V	1.772 45	2.441 62	2.447 62.15	0.315 8
710026 710027 710028 710029 710030	# # # #	U U U U	2.250 2.500 3.000 3.500 3.500	2.750 3.000 3.500 4.000 4.125	2.754 3.004 3.505 4.005 4.130	0.250 0.313 0.313 0.313 0.312	710080 710081 710084 710086	# # 470 #	S S S	3.125 1.937 4.724 2.205	4.450 3.930 5.512 4.803	4.456 3.935 5.520 4.813	0.880 0.320 0.413 0.315
710031 710032 710034 710035 710036	# # # #	U U U U	4.000 5.000 2.500 3.750 4.000	4.750 5.750 3.000 4.375 4.625	4.756 5.756 3.015 4.381 4.631	0.313 0.313 0.375 0.313 0.313	710087 710088 710089 710090 710091	450 # # # 2720	S S S S S	2.953 3.330 4.646 3.040 2.688	4.409 5.045 6.811 6.412 3.499	4.416 5.050 6.843 6.418 3.504	0.394 0.800 1.102 0.658 0.344
710037	#	Α	4.750	5.375	5.381	0.313	◆710092	410	S	2.598	3.346	3.353	0.315
710038 710039	# #	Û	2.750 2.735	3.250 3.415	3.255	0.313 0.340	◆710093	#	S	66 2.362 60	85 2.953 75	85.17 2.959 75.16	8 0.228 5.80
710040 710041	# #	U	2.000 2.375	2.500 2.875	2.501 2.879	0.375 0.375	◆710094 710096	660 740	S N	2.559 65 1.378	3.228 82 2.240	3.235 82.17 2.247	0.276 7 2.540
710042 710043	#	U S	2.485 1.301	3.165 2.620	2.488 2.625	0.188 0.315	◆710097	#	S	1.654 42	2.205	2.216 56.29	0.276
710044 710045 710046→	# VS1 860	S S S	1.500 2.250 1.552	1.875 - 2.447	2.840 2.452	0.188 0.500 0.500	◆710098 710101↔	710 #	S S	1.969 50 1.250	2.524 64.10 2.402	2.535 64.39 2.408	0.256 6.50 0.228
♦710051	860	S	1.378 35	1.890 48	1.895 48.13	0.512	710102 710105↔ 710106	# # #	S S S	1.625 1.705 3.133	2.410 3.084 3.547	2.440 3.090 3.551	0.361 0.461 0.366
710053 ◆710056←	480 470	S V	1.047 3.583	1.811 4.370	1.815 4.381	0.285 0.394	◆710107	#	 	2.047	3.087	3.090	0.386
◆710057	480	S	91 1.417 36	111 2.559 65	111.28 2.567 65.20	10 0.315 8	♦710107 ♦710108	660	S	52 2.205	78.40 2.992	78.49 2.998	9.80 0.193
710058	480	S	1.938	2.562	2.566	0.317	◆710109 ↔	400	N	56 1.339	76 2.480	76.15 2.491	4.90 0.354
◆710060 ←	320	Н	3.740 95	4.646 118	4.657 118.29	0.394 10	◆710110 ↔	400	N	34 1.339 34	63 2.126 54	63.27 2.137 54.28	9 0.354 9
710062 710063 •710064	# # #	S N S	1.750 1.625 2.047	2.374 2.441 2.677	2.378 2.444 2.683	0.484 0.500 0.295	◆710111 ←	#	N	1.378 35	1.969 50	1.980 50.29	0.453 11.50
710066	830	S	52 1.400	68 2.478	68.15 2.486	7.50 0.521	◆710112 ↔	#	N	1.969 50	3.150 80	3.161 80.30	0.650 16.50
710067↔	690	S	1.705	3.034	3.040	0.500	710113 ◆710114→	# 980	S N	1.575 1.614 41	2.953 2.323 59	2.965 2.334 59.28	0.472 0.394 10
710068 ◆710069	#	S S	1.192 2.205 56	2.122 2.835 72	2.128 2.841 72.16	0.350 0.429 10.90	♦710115↔	980	S	1.732 44	3.150 80	3.161 80.29	0.343 8.70
◆710070	470	S	1.299 33	1.732 44	1.738 44.15	0.315 8	♦710116	320	N	0.551 14	0.984 25	0.993 25.22	0.276 7
							◆710117	400	N	1.969 50	3.386 86	3.398 86.30	0.512 13

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
♦710118	400	S	1.535 39	2.323 59	2.334 59.28	0.669 17	♦710154	320	S	0.748 19	1.496 38	1.505 38.23	0.276 7
710119 710120	320 #	N N	1.102 1.535	1.693 1.969	1.702 1.980	0.315 0.433	-						
♦ 710121	#	N	2.323	3.937	3.948	0.394	♦710156	320	S	0.709 18	1.260 32	1.269 32.23	0.276 7
			59	100	100.28	10	◆710157 →	320	S	1.063	1.693 43	1.702 43.23	0.276 7
♦710122	400	N	1.535 39	2.244 57	2.255 57.28	0.610 15.50	♦710159	#	S	1.693 43	2.302 58.47	2.308 58.62	0.295 7.50
♦710123	400	N	1.535 39	2.244 57	2.255 57.28	0.433 11	710160 ◆710161	# 2810	S S	1.772 1.811	2.598 2.697	2.608 2.702	0.295 0.295
♦710124	400	N	1.299 33	2.323 59	2.334 59.28	0.433 11				46	68.50	68.63	7.50
♦710125	#	S	2.205 56	2.921 74.20	2.928 74.37	0.256 6.50	♦710162	480	V	1.260	1.969	1.974	0.315
♦710126	#	S	1.811	0.108	2.732	0.433	710163	#	S	32 1.875	50 -	50.14 2.650	8 0.350
			46	2.73	69.40		◆710164	480	V	1.260	1.969 50	1.974 50.14	0.315
♦ 710127	#	S	2.165	2.677	2.683	0.256	710166↔	740	S	1.399	2.292	2.298	0.500
710128	#	S	55 1.811	68 2.732	68.15 2.740	6.50 0.394	◆710167	#	S	1.890 48	2.520 64	2.528 64.20	0.394 10
♦710129	#	S	2.244 57	3.031 77	3.039 77.20	0.315 8							
♦ 710130	#	S	2.520 64	3.031 77	3.039 77.20	0.315 8	◆710168	470	S	2.323 59	2.953 75	2.957 75.11	0.394 10
◆710131	#	S	1.575	2.441	2.449	0.354	710171 710172	# 350	N V	2.200 1.220	2.804 1.654	- 1.661	0.300 0.315
			40	62	62.20	9	◆710173	#	N	1.969	2.756	2.764	0.394
♦ 710132	400	N	1.299 33	2.205 56	2.216 56.29	0.512 13	710174	470	S	50 2.748	70 3.881	70.20 3.885	10 0.464
♦710133	#	Ν	1.654 42	3.543 90	3.554 90.27	0.374 9.50	◆710175	320	S	2.087	0.106	2.685	0.276
♦710135	#	S	1.969	2.756	2.764	0.551				53	2.69	68.20	7
710136	#	S	50 2.283	70 2.953	70.20 2.961	14 0.276	◆710176	870	S	2.205 56	2.913 74	2.920 74.17	0.335 8.50
710137	#	S	1.969	2.913	2.921	0.354	♦710178	#	S	1.378 35	1.929 49	1.941 49.30	0.315 8
710138	400	S	1.378	2.480	2.488	0.354	710179→ 710180	320 470	S V	1.654 3.250	2.551 3.879	2.555 3.881	0.531 0.375
♦ 710139	#	N	1.496	2.283	2.294 58.27	0.394		470	v	3.230	3.079	3.001	0.373
710140	320	S	1.594	2.283	2.293	0.315	◆710182	660	S	2.362	3.386	3.393	0.276
710141 ◆710142	# #	N S	1.614 1.693	2.402 2.756	2.409 2.762	0.394 0.354	710183	660	S	60 2.240	86 2.992	86.18 2.998	7 0.255
			43	70	70.16	9	710186 ◆710187→	# 320	S N	1.654 2.047	2.216 2.756	2.222 2.767	0.315 0.335
♦710143	#	S	1.850	3.307	3.318	0.374				52	70	70.28	8.50
			47	84	84.28	9.50	◆710188 ←	320	V	3.465 88	4.173 106	4.184 106.27	0.335 8.50
♦710144 ←	#	S	2.283	3.071	3.082 78.28	0.394	.7404007	470		0.504	4.404	4 4 4 5	0.004
♦ 710147	#	S	1.575 40	2.362 60	2.368 60.15	0.315 8	◆710189 ←	470	V	3.504 89	4.134 105	4.145 105.28	0.394 10
◆710148	970	S	1.929 49	2.843 72.20	2.854 72.49	0.236 6	♦710190	480	V	2.047 52	2.677 68	2.683 68.15	0.315 8
◆710149	#	S	1.457 37	2.047 52	2.053 52.15	0.236	710191 ◆710192	250 320	S S	1.850 1.969	2.520 2.362	2.523 2.373	0.276 0.236
				32	32.13					50	60	60.27	6
♦710150	#	S	1.850 47	3.150 80	3.156 80.16	0.500 12.70	♦710193	320	S	1.772 45	2.323 59	2.334 59.28	0.315 8
♦710151	470	S	1.339	2.559	2.563	0.472	<u> </u>	200	<u> </u>	1.060	2 677	2 601	0.050
♦710152	#	S	34 1.417	65 2.520	65.10 2.526	12 0.433	♦710194	320	S	1.969	2.677	2.681 68.10	0.256 6.50
710153	#	S	36 1.024	64 1.732	64.16 1.740	11 0.315	710195 710196	400 320	S V	1.654 1.575	2.992 2.441	3.003 2.452	0.472 0.394
							710197	400	Ň	1.417	2.126	2.137	0.276

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
710198	#	S	1.565	2.372	2.383	0.394	♦710240	#	S	2.953 75	3.268 83	3.425 87.00	0.157 4
◆710199 ↔	#	Ν	1.378 35	2.126 54	2.132 54.15	0.354	710241 ◆710242→	680 320	S N	1.627 2.047	2.277 2.835	2.283 2.846	0.342
♦710201	470	S	1.378 35	2.362 60	2.368 60.15	0.472 12	710243	250	S	52 0.630	72 1.024	72.29 1.028	8 0.276
710202	680	S	1.627	2.125	2.131	0.342	740044		0	1.054	0.004	0.000	0.015
710204 710205	480 320	S V	1.625 3.780	2.282 4.606	2.286 4.617	0.313 0.472	710244 ◆710245→	# #	S N	1.654 1.654	2.224 2.992	2.232 2.998	0.315 0.472
7 10203	320	V	3.700	4.000	4.017	0.472	₩110245→	#	IN	42	76	76.15	12
740007	400	0	1.054	0.005	0.040	0.004	♦710246	#	Ν	1.654	3.543	3.554	0.469
710207 ◆710208	400 #	S S	1.654 1.693	2.835 3.622	2.846 3.633	0.394 0.492	710247←	#	NI	42 1 504	90	90.27	11.90
₹ 7 10200	#	3	43	92	92.28	12.50	◆710247← ◆710248→	# 660	N N	1.504 1.772	1.937 3.071	1.950 3.077	0.475 0.433
710209	#	Ν	1.496	2.441	2.450	0.512	7 10240 7	000	14	45	78	78.16	11
710210	740	V	2.375	3.251	3.256	0.625							
710211 →	740	Ν	1.875	2.677	2.683	0.374	♦710249	970	S	0.787	1.024	1.033	0.157
							1110210	0.0	Ü	20	26	26.24	4
♦710213	2810	S	2.441	3.071	3.077	0.374	♦710251	470	Ν	0.669	1.339	1.344	0.311
710014	400	N.I.	62	78	78.16	9.50	♦710252	220	0	17 1.417	34 1 722	34.14	7.90 0.197
710214 ◆710215	400 660	N S	1.535 1.850	2.323 2.598	2.334 2.602	0.433 0.236	₹/10252	320	S	36	1.732 44	1.741 44.22	0.197 5
₹710213	000	0	47	66	66.10	6	♦710253	#	S	2.047	2.441	2.452	0.217
710216	350	S	1.102	1.673	1.682	0.315	.740054	0.40	_	52	62	62.28	5.50
♦710217	#	S	1.378 35	2.126 54	2.132 54.15	0.315 8	♦710254	340	S	0.906 23	1.252 31.80	1.261 32.03	0.217 5.50
◆710218	#	V	1.378	2.205	2.216	0.394	♦710255	#	S	1.890	2.756	2.764	0.354
			35	56	56.29	10	710256	#	S	48 2.520	70 2.992	70.20 3.000	9 0.276
710219←	320	N	3.543	4.252	4.261	0.394	♦710258←	320	V	4.528	5.315	5.329	0.276
◆710220 →	320	N	1.614 41	2.441 62	2.450 62.23	0.354 9	1710200	020	٧	115	135	135.36	10
710221	#	Ν	1.654	2.205	2.209	0.551	♦710259 ↔	320	V	1.457	2.205	2.216	0.354
710222	980	S	0.709	1.024	1.028	0.157	◆710260 ←	320	S	37 1.772 45	56 2.402 61	56.29 2.413 61.29	9 0.315 8
710223	#	S	1.732	2.598	2.602	0.236				45	01	01.29	0
710224	490	Š	1.496	2.441	2.445	0.236	710000	200	\/	0.700	4 507	4 577	0.054
710225	#	S	2.244	3.150	3.154	0.315	710262 710263	320 320	V V	3.780 2.000	4.567 2.623	4.577 2.627	0.354 0.256
♦710226	320	S	1.969	0.101	2.638	0.217	♦710264 →	320	Ý	1.693	2.165	2.176	0.236
♦710228	400	S	50 1.457	65.30 2.441	67.00 2.450	5.50 0.394				43	55	55.27	6
₹710220	400	0	37	62	62.23	10	♦710266	#	S	3.661	6.063	6.071	0.315
							710267	320	S	93 1.181	154 2.126	154.20 2.134	8 0.354
710229	400	S	2.323	3.083	3.093	0.315	110207	020	0	1.101	2.120	2.104	0.004
♦710230	#	S	2.283	2.992	3.001	0.307	74,0000	400	N.I	0.000	4.055	4.000	0.400
			58	76	76.23	7.80	710268 710270	400 320	N N	2.283 1.772	4.055 2.835	4.063 2.843	0.433 0.472
710231	320	S V	2.323 3.386	3.083	3.093	0.315	♦710271 ←	320	S	2.283	2.913	2.924	0.394
♦710232	320	V	3.386 86	4.094 104	4.109 104.37	0.433 11				58	74	74.27	10
710233 →	320	Ν	1.516	2.087	2.096	0.315	710272	320	N	0.736	1.378	1.386	0.276
							♦710273	350	S	0.748 19	1.378 35	1.387 35.23	0.394 10
◆710234 ←	320	Ν	2.677	3.307	3.318	0.335				19	33	55.25	10
		. •	68	84	84.28	8.50	710074	000	\/	0.610	1 100	1 100	0.500
♦710235 ←	320	V	3.386	4.055	4.066	0.394	710274 710275	680 400	V N	0.610 2.677	1.102 4.882	1.108 4.886	0.598 0.472
◆710236 →	320	N	86 1.299	103 1.929	103.28 1.938	10 0.315	♦710275 ♦710276	400	N	2.362	4.055	4.062	0.472
₹110230→	320	N	33	1.929 49	49.23	0.315		.00		60	103	103.18	12
♦710237 ←	320	V	3.543	4.094	4.105	0.433	710277	#	N	2.520	5.197	5.201	0.512
▲710020 \	200	0	90	104	104.27	11	710278	#	N	3.937	5.709	5.713	1.024
◆710238 →	320	S	1.811 46	2.756 70	2.760 70.10	0.315 8							
					. 5.10		710281	740	S	1.940	2.900	2.910	0.400
♦710239	400	N	2.126	2.717	2.726	0.295	♦710282	320	S	1.260 32	1.654 42	1.661 42.20	0.315
¥1 10203	400	11	2.120 54	2.717 69	69.23	7.50	710283	#	N	1.732	3.543	3.547	8 0.354
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Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
♦710284	#	N	1.575 40	2.874 73	2.878 73.10	0.492 12.50	710318	320	N	1.516	2.283	2.291	0.335
710285	#	S	1.125	1.630	1.634	0.313	◆710320	480	S	1.890 48	2.441 62	2.445 62.10	0.354
♦710286	320	N	1.654 42	2.638 67	2.646 67.20	0.394 10	710321 ◆710322	470 340	S S	1.772 1.890	2.441 2.441	2.445 2.452	0.354 0.236
710287 ◆710288←	320 320	N S	1.575 3.661	2.126 4.488	2.134 4.500	0.394 0.512	◆710323	490	S	48 2.008	62 2.480	62.28 2.487	6 0.236
◆710289 →	320	S	93 1.772 45	114 2.638 67	114.30 2.644 67.16	13 0.315 8	♦710324 ←	320	S	51 1.378 35	63 1.969 50	63.17 1.978 50.24	6 0.433 11
710290	320	V	3.937	4.882	4.890	0.512							
◆710291 ←	400	N	1.614 41	2.480 63	2.488 63.20	0.354	◆710325→ ◆710326	320 660	S S	1.102 28 1.575	1.575 40 2.520	1.584 40.23 2.526	0.315 8 0.472
♦710292	#	S	2.047 52	2.677 68	2.683 68.15	0.256 6.50	◆710320 ◆710327→	320	S	40 1.260	64 1.890	64.16 1.899	0.472 12 0.276
710293 710294	# 470	S S	3.209 3.307	3.535 3.937	3.941	0.091 0.394	♦710328	350	S	32 1.299	48 1.969	48.24 1.978	7 0.276
710295	470	Š	4.173	4.843	4.846	0.433	♦710329 ←	320	Н	33 1.378	50 1.969	50.24 1.980	7 0.315
710296 \$710297	# 340	S S	1.890 0.709	4.272 0.906	4.280 0.915	0.512 0.157	710330	#	NI.	35	50	50.29	0.410
◆710298 →	400	Ν	18 1.654	23 2.480	23.24 2.491	0.354	◆710331←	320	N V	3.346 1.378 35	4.449 2.126 54	4.457 2.134 54.20	0.413 0.315 8
♦710299	660	Ν	42 0.689 18	63 1.083 27.50	63.27 1.092 27.74	9 0.276 7	♦710332 ←	320	N	1.220 31	1.811 46	1.820 46.23	0.315 8
♦710300	#	S	1.575 40	2.185 55.50	2.191 55.65	0.354	710333 ◆710334←	320 320	S N	2.362 2.677 68	3.150 3.386 86	3.157 3.397 86.28	0.315 0.315 8
710301	970	S	1.654 1.654	2.441	2.449 42.29	0.276 8.00	◆710335	320	S	1.378	2.559 65	2.570 65.28	0.472
710303 710304	350 #	S S	1.654 1.004 1.479	1.516 2.563	1.665 1.525 2.567	0.315 0.335 0.470	♦710336 ←	400	N	1.378	2.677	2.685 68.20	0.354
							♦710337 ♦710338	340 660	S S	1.850 47 1.535	2.843 72.20 2.047	2.854 72.49 2.053	0.236 6 0.248
♦710305	320 320	S	1.929 49 1.929	2.756 70 2.756	2.767 70.28 2.767	0.433	◆710330 ◆710339	250	S	39 2.756	52 4.409	52.15 4.416	6.30 0.551
◆710305S 710306	320	S S	1.929 49 1.260	2.736 70 2.047	70.28 2.055	0.433 11 0.394				70	112	112.17	14
710307 ◆710308→	320 320	N S	0.984 1.575 40	1.575 2.047 52	1.583 2.058 52.27	0.276 0.236 6	710340 ◆710341←	440 320	V S	1.189 1.417 36	1.654 1.969 50	1.657 1.980 50.29	0.236 0.315 8
							◆710342 →	320	S	0.787	1.850 47	1.859 47.22	0.335 8.50
♦710309 •710310	#	S	1.496	2.047	2.053 52.15	0.248 6.30	◆710343	330	S	1.417 36	1.811 46	1.817 46.15	0.354
◆710310→ ◆710311	320 250	N S	1.260 32 1.575	1.850 47 2.126	1.859 47.22 2.132	0.236 6 0.236	♦710344	320	S	0.685 17	1.181 30	1.190 30.23	0.276 7
♦710312	320	S	40 2.047	54 2.677	54.15 2.685	6 0.512	→710345	320	S	1.772	2.677	2.685	0.472
◆710313 →	320	S	52 1.890	68 2.756	68.20 2.767	13 0.472	◆710343 ◆710346	490	S	45 0.591	68 0.787	68.20 0.791	12 0.197
			48	70	70.28	12	♦710347	320	S	15 1.102	20 1.496	20.10 1.505	0.197 5 0.394
◆710314 ←	400	Ν	1.378 35	2.205 56	2.216 56.29	0.315 8	◆710348	320	S	28 0.512	38 0.866	38.23 0.874	10 0.236
◆710315 →	400	S	1.378 35	2.205 56	2.216 56.29	0.315 8	710349	#	V	13 4.134	22 5.315	22.20 5.323	6 0.571
◆710316 →	320	S	0.984 25	1.575 40	1.584 40.23	0.315 8	710350	#	V	2.362	3.228	3.236	0.472
♦710317 ←	320	S	1.260 32	1.890 48	1.899 48.24	0.394 10			•		0.220	0.200	J. 17 L

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
◆710351 ←	320	Н	3.937 100	5.315 135	5.329 135.36	0.394 10	♦710383	470	S	1.378 35	1.732 44	1.738 44.15	0.276 7
♦710352	470	V	3.740 95	4.449 113	4.453 113.10	0.394 10							
◆710353 →	660	S	1.457 37	2.283	2.287 58.10	0.394 10	♦710384	250	S	2.953 75	3.937 100	3.944 100.18	0.512 13
◆710354 →	320	Ν	1.969	2.559	2.570	0.315 8	710385 710386→	# 320	S H	1.675 1.650	2.000 2.205	2.175 2.216	0.200 0.276
			50	65	65.28	· · · · · · · · · · · · · · · · · · ·	710387	470	S	1.693	2.531	2.565	0.374
◆710355 →	320	N	1.457	1.988	1.996	0.236	710388↔	320	S	1.875	2.716	2.727	0.394
◆710356 →	470	S	37 1.890 48	50.50 2.362 60	50.70 2.368 60.15	6 0.354 9	710389 ◆710390→	70S 320	S N	1.750 2.362	2.500 3.228	2.503 3.236	0.484 0.472
♦710357	470	S	1.969	2.638 67	2.646 67.20	0.354	710390→	940	Н	60 3.937	5.226 82 5.315	82.20 5.323	12 0.591
710358 710358N	450 480	N S	1.625 1.625	2.374 2.374	2.380 2.380	0.311 0.311	710393 710394	# #	S S	2.205 1.811	2.835 2.441	2.843 2.449	0.315 0.807
◆710359	#	S	1.181	1.772	1.780	0.315	710395	Unitize	d S	2.750	3.779	3.784	0.762
♦710360	350	S	30 1.378	45 2.835	45.20 2.846	8 0.394	◆710396 ↔	400	S	1.378 35	2.205 56	2.213 56.20	0.354
710261	440	S	35	72	72.29 0.823	10	710397	#	Ν	1.831	3.543	3.551	0.472
710361 ◆710362	440 490	S	0.669 0.669	0.819 0.984	0.823	0.122 0.197	◆710398	#	S	1.969 50	2.835 72	2.843 72.20	0.394 10
710363←	#	V	17 3.307	25 4.646	25.15 4.650	5 0.276	710399→	320	S	1.024	1.654	1.661	0.315
→710364 ↔	#	N	1.772	3.858	3.865	0.413	♦710400	470	S	2.283 58	2.953 75	2.959 75.16	0.354
710365	#	S	45 2.000	98 2.720	98.17	10.50 0.210	710401	#	S	1.181	1.457	1.461	0.138
♦710365 ♦710366 ←	320	Н	4.173	4.961	4.975	0.472	710402 ◆710403	#	S S	1.614 1.654	2.677 2.441	2.685 2.445	0.512 0.472
A710267	400	S	106	126	126.37	12		#		42	62	62.10	12
◆710367→ ◆710368	400 470	S	2.559 65 5.433	3.465 88 5.984	3.472 88.20 5.992	0.472 12 0.472	710405	470	S	4.882	5.748	5.752	0.551
₹/10300	470	3	138	152	152.20	12	◆710406	470	S	5.512 140	6.693 170	6.701 170.21	0.551 14
◆710369	470	S	5.709	6.457	10.398	0.551	◆710407	330	S	2.008	2.441	2.446	0.276
			145	164	264.10	14	♦710408	320	N	51 1.654	62 2.441	62.13 2.452	7 0.276
♦710370	320	S	1.260 32	1.693 43	1.702 43.23	0.276 7	710409	щ	6	42	62	62.28	7
♦710371	250	S	3.976	4.488	4.492 114.10	0.394 10	◆710409 ◆710410	# 470	S S	1.813 3.937	2.408 4.488	4.496	0.300 0.472
♦710372	#	S	101 4.528	114 6.142	6.146	0.610				100	114	114.20	12
♦710373	470	S	115 2.559	156 3.346	156.10 3.353	15.50 0.394	710411	470	S	5.039	5.748	5.752	0.394
			65	85	85.17	10	♦710412	320	S	0.709	1.339	1.348	0.276
◆710374	#	S	1.929	3.937	3.945	0.315	710413	#	Ν	18 2.172	34 3.125	34.24 3.130	7 0.675
₹/103/4	#	3	49	100	100.20	8	710414	#	Τ	1.500	2.500	2.500	0.375
♦710375	#	S	2.992 76	4.016 102	4.024 102.20	0.374 9.50	◆710415 →	320	S	1.260 32	1.969 50	1.978 50.24	0.315 8
710376 710377	# #	S S	2.953 1.811	4.409 3.720	4.413 3.728	0.394 0.315							
710377	350	S	2.677	3.720	3.236	0.315	◆710416	350	S	1.339 34	1.890 48	1.899 48.24	0.295 7.50
							◆710418	320	Ν	1.339	2.087	2.098	0.315
◆710379	470	S	2.362	2.835	2.841	0.295	710419	#	S	34 1.378	53 2.480	53.29 2.491	8 0.394
◆710380	470	S	60 5.118 130	72 5.906 150	72.16 5.914 150.22	7.50 0.394 10	♦710420 →	320	Š	1.969	2.677	2.688 68.28	0.354
◆710381	#	S	4.882 124	6.693 170	150.22	0.571 14.50	♦710422	350	S	1.339 34	2.441 62	2.452 62.28	0.394
♦710382	#	S	2.205	2.598	2.606 66.20	0.669	.746464			4.0==	0.000	0.055	
			00	00	00.20	.,	♦710424	350	S	1.378 35	2.362 60	2.373 60.27	0.315 8
							710425	2300	S	5.428	6.500	6.505	0.420

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
710426 710428	# 870	S V	1.465 1.750	2.372 2.621	2.374 2.625	0.433 0.937	712017	#	S	0.625	1.124	1.128	0.375
710429	870	V	1.380	2.288	2.291	0.750	712018 712019	#	S S	0.984 0.500	1.596 0.875	1.600 0.879	0.250 0.313
710430 710431	# #	S S	2.325 1.693	3.125 2.480	3.130 2.488	0.313 0.394	♦712020 ←	320	N	1.575 40	2.953 75	2.964 75.29	0.472 12
710432 710433	320 #	S S	1.575 1.102	2.244 2.087	2.252 2.091	0.394 0.378	712021 712022	#	S S	0.312 0.312	0.749 0.689	0.753 0.690	0.250 0.313
710435	320	S	1.496	2.559	2.567	0.315	-						
710436	350	N	1.594	2.067	2.075	0.236	712023 712024	#	V S	1.500 0.625	2.311 1.124	2.315 1.128	0.500 0.375
710437 710438	470 #	S S	1.969 2.126	2.953 2.992	2.957 3.000	0.354 0.551	712025 712026	470 #	S S	1.250 1.000	1.752 1.375	1.758 1.379	0.252 0.250
710439	#	S	2.283	2.874	2.878	0.335	712027	#	S	0.750	1.250	1.254	0.250
◆710440	470	S	2.677 68	3.543 90	3.550 90.17	0.472 12	712028	#	S	0.562	0.750	0.754	0.094
710441	#	N	1.500	2.377	2.388	0.433	712100 <i>←</i> 712101 <i>→</i>	TPDW TFW-H		3.125 2.325	3.750 3.375	3.768 3.390	0.437 0.375
◆710442 →	480	N	1.654	2.323	2.329 59.16	0.303 7.70	712102 →	TFW-H	Т	1.875	2.625	2.640	0.433
710443	#	N	1.575	2.161	2.165	0.512	712103→ ————	TPDW	Т	2.625	3.516	3.533	0.394
◆710444 ←	320	S	1.575 40	2.126 54	2.137 54.28	0.236 6	712104 →	TPDW		1.102	1.496	1.506	0.276
◆710445	350	S	0.748 19	1.378 35	1.387 35.23	0.315 8	712105← 712106	TW 320	T T	3.937 4.724	4.724 5.512	4.734 5.520	0.433 0.512
							712107 $ ightarrow$ 712108 $ ightarrow$	TFW-H TFW-H	Т	4.134 2.677	5.118 3.543	5.124 3.549	0.433 0.394
◆710446 →	350	S	2.677 68	3.465 88	3.476 88.29	0.315 8	712100→ ———————————————————————————————————	11-44-11	'	2.077	3.343	3.549	0.394
710562 710800	2300 2300	S S	6.775 9.466	7.875 10.875	7.880 10.891	0.360 0.375	712109←	TFW-H		5.000	6.000	6.016	0.591
710925	2300	S	11.006	12.875	12.891	0.625	712110← 712111 <i>→</i>	TW TFW-H	T T	6.142 3.150	7.087 3.937	7.094 3.953	0.591 0.394
711000	2300	S	11.586	13.687	13.703	0.562	712112← 712113→	TW TFW-H	T T	4.331 2.362	5.118 2.953	5.134 2.972	0.512 0.394
711200 711552	2300 470	S N	13.797 1.562	15.500 2.502	15.513 2.506	0.437 0.312	740444	TE\A/	_	E 440	F 000	F 004	0.510
711553	740	Ν	2.375	3.875	3.881	1.060	712114← 712115→	TFW-H TFW-H		5.118 3.150	5.906 3.937	5.921 3.953	0.512 0.512
712000 ◆712001→	# 320	N N	3.000 1.181	5.750 1.811	5.764 1.820	0.413 0.315	712116→ 712118←	TFW-H TFW-H		3.500 6.299	4.331 7.480	4.346 7.496	0.472 0.512
			30	46	46.23	8	712110 712119→	TFW-H		3.736	4.724	4.740	0.512
712003← 712004←	320 320	V V	4.724 4.134	5.512	5.524 5.128	0.512 0.472	712120 →	TFW-H		3.150	3.937	3.953	0.512
♦712005 →	320	Ϋ́Η	2.559	5.118 3.307	3.318	0.354	712122 <i>←</i> 712123 <i>→</i>	TFW-H TFW-H		6.142 3.150	7.087 3.937	7.102 3.953	0.591 0.512
◆712006 ←	320	Н	65 2.362	84 3.228	84.28 3.239	9 0.472	712124→ 712125→	TFW-H TFW-H	Т	3.543 2.126	4.331 2.874	4.346 2.890	0.472 0.502
♦712007	480	V	60 0.984	82 1.378	82.27 1.388	12 0.276	/12125→	I F VV-F	-	2.120	2.074	2.090	0.502
			25	35	35.25	7	712126 <i>←</i>	TFW-H		3.110	3.898	3.913	0.378
◆712008 ←	320	Н	1.102	1.654	1.663	0.315	712146 712250	250 470	S V	1.688 2.250	2.551 3.000	2.562 3.005	0.470 0.375
712009	320	V	28 1.063	42 1.575	42.24 1.583	8 0.315	712260 712270	470 480	S S	1.750 0.875	2.810 1.436	2.814 1.441	0.315 0.256
◆712010 →	320	Ĥ	1.890	2.756	2.767	0.354		100		0.070	1.100		
♦712011	320	S	48 1.575	70 2.9 <u>53</u>	70.28 2.961	9 0.472	712375	900	N V	2.375	4.064	4.069	1.092
712012	#	V	40 0.984	75 1.752	75.20 1.756	12 0.313	712449 <i>←</i> 712511 <i>→</i>	320 320	V	4.812 2.677	5.543 3.504	5.551 3.512	0.472 0.433
							712512← 712516→	# #	N N	2.250 1.875	3.252 2.677	3.260 2.689	0.551 0.551
712013 712014	# #	S S	1.000 0.750	1.752 1.250	1.756 1.254	0.313 0.375							
712015 712016	# #	V S	0.875 1.000	1.375	1.379	0.250 0.250	♦712551	320	S	1.575 40	2.205 56	2.216 56.29	0.315 8
112010	#	3	1.000	1.499	1.503	0.230	712598	470	S	2.598	3.999	4.004	0.780

712598S 712625 712750	470 900 410	S N V	2.598 2.625 3.500	3.999 4.064 4.501	4.004 4.069 4.506	0.780 0.960 0.468	♦759008XX	320	S	2.953 75	3.543 90	3.551 90.20	0.315 8
740007			0.007	4.000	4.044		♦759010XX	320	S	2.953 75	3.543 90	3.553 90.25	0.394 10
712937 713103→	900 690	N V	2.937	4.939 3.190	4.944 3.194	1.250 0.620	♦759510XX	350	S	2.953 75	3.74 95	3.751 95.28	0.394
◆713655	320	N	1.378	2.047	2.061 52.35	0.315	◆10X012010XX	350	S	3.937	4.724 120	4.736 120.30	0.394
713750 ◆713771→	690 350	V	3.750 1.378	4.500 1.969	4.506 1.982	0.468 0.315	◆10X012012XX	350	S	3.937 100	4.724 120	4.735 120.28	0.472 12
			35	50	50.34	8	◆10X012512XX	350	S	3.937 100	4.921 125	4.932 125.28	0.472 12
714075 ◆714436	# 320	H S	1.771 1.378	2.500 1.890	2.504 1.899	0.359 0.315	. 10001001000	050		0.007	F 440	F 400	0.470
714470	480	V	35 3.125	48	48.24 4.008	0.500	◆10X013012XX	350	S	3.937	5.118	5.129 130.28	0.472
714503 ↔	320	Ν	1.886	2.750	2.761	0.469	♦10X213013XX	350	S	4.016 102	5.118 130	5.129 130.28	0.512 13
714512	870	N	2.375	4.498	4.504	0.391	♦10X512513XX	320	S	4.134 105	4.921 125	4.932 125.28	0.512 13
714569	#	٧	1.574	2.410	2.415	0.540	◆10X513012XX	350	S	4.134 105	5.118 130	5.129 130.28	0.472 12
714616 ◆714619	# 350	V S	0.630 1.181 30	1.762 1.890 48	1.770 1.899 48.24	0.354 0.315 8	◆10X514012XX	350	S	4.134 105	5.512 140	5.523 140.28	0.472 12
714654 714655	470 480	N N	2.000 1.375	2.995 1.981	3.002 1.989	0.500 0.252	◆11X013012XX	350	S	4.331 110	5.118 130	5.129 130.28	0.472 12
714662	470	V	0.630	1.072	1.076	0.354	♦11X013513XX	320	S	4.331 110	5.315 135	5.327 135.30	0.512 13
714670 714675	470 #	N V	2.500 1.842	3.500 2.748	3.504 2.751	0.450 0.425	◆11X014012XX	320	S	4.331	5.512 140	5.523 140.28	0.472
714713 ↔	960	V	4.000	4.999	5.004	0.469	◆11X014013XX	450	S	4.331	5.512	5.521 140.23	0.512
714750	480	V	4.750	5.751	5.756	0.500	◆11X014513XX	350	S	4.331 110	140 5.709 145	5.72 145.30	0.512 13
714810 <i>←</i> 715100	# #	V S	3.003 1.875	3.751 3.150	3.761 3.155	0.570 0.250							
715101	#	S	1.370	1.375	2.438	0.250	♦11X015015XX	350	S	4.331 110	5.906 150	5.917 150.28	0.591 15
715319 ◆716102←	470 320	N H	3.500 3.346 85	5.126 4.134 105	5.131 4.145 105.28	0.625 0.394 10	♦11X2140013XX	350	S	4.409	5.512	5.524 140.32	0.512
				103	103.20		♦11X414013XX	350	S	4.488	5.512	5.523 140.28	0.512
♦716445	350	V	2.953 75	3.740 95	3.751 95.28	0.394 10	♦11X514012XX	350	S	4.528 115	5.512 140	5.523 140.28	0.472 12
716484 ◆717004	320 480	V S	1.890 4.724	2.559 5.512	2.571 5.520	0.394 0.472	◆11X514513XX	350	S	4.528 115	5.709 145	5.72 145.30	0.512 13
◆717005 ←	320	S	120 3.740 95	140 4.331 110	140.21 4.342 110.29	12 0.433 11	◆11X514514XX	320	S	4.528	5.709	5.717	0.551
717006	450	S	3.740	4.528	4.537	0.394	◆11X515012XX	350	S	115 4.528	145 5.906	145.20 5.917	14 0.472
718610	470	N	0.562	1.004	1.008	0.254	◆12X014013XX	350	S	115 4.724	150 5.512	150.28 5.523	0.512
719316	720	V	1.875	3.160	3.165	0.720	◆12X014512XX	350	S	120 4.724	140 5.709	140.28 5.72	13 0.472
722108 722109	VS1 VS1	N S	1.313 2.250	1.625 2.675	2.720	0.156 0.539	♦12X015012XX	350	S	120 4.724	145 5.906	145.28 5.917	12 0.472
722250	900	N	2.250	4.064	4.069	1.092				120	150	150.28	12
722250S 727410	900	N	2.250	4.064	4.069	1.092	◆12X016012XX	350	S	4.724 120	6.299 160	6.31 160.28	0.472 12
↑27410 ◆729010XX	440 350	S S	0.750 2.835	1.000 3.543	1.006 3.551	0.126 0.394	♦12X25045XX	320	S	0.472	0.984	0.992	0.177
◆729510XX	350	S	72 2.835	90 3.74	90.20 3.751	10 0.394	◆12X515012XX	320	S	12 4.921	5.906	25.20 5.917	4.50 0.472
			72	95	95.28	10	♦12X515512XX	320	s	125 4.921	150	150.28	12 0.472

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
♦12X516012XX	350	S	4.921 125	6.299 160	6.31 160.28	0.472 12	◆16X020012XX	320	S	6.299 160	7.874 200	7.882 200.20	0.472 12
♦12X517015XX	320	S	4.921 125	6.693 170	6.701 170.20	0.591 15	◆16X020015XX	320	S	6.299 160	7.874 200	7.882 200.20	0.591 15
♦12X815015XX	350	S	5.039	5.906	5.917	0.591	♦17X020015XX	350	S	6.693	7.874	7.888	0.591
♦13X015010XX	470	S	128 5.118	150 5.906	150.28 5.909	15 0.394	◆17X021015XX	320	S	170 6.693	200 8.268	200.35 8.276	15 0.591
◆13X016012XX	350	S	130 5.118	150 6.299	150.10 6.31	10 0.472	◆17X520015XX	320	S	170 6.89	210 7.874	210.20 7.888	15 0.591
♦13X016015XX	320	S	130 5.118 130	160 6.299 160	160.28 6.307 160.20	12 0.591 15	♦18X021015XX	350	S	175 7.087 180	200 8.268 210	200.35 8.281 210.35	15 0.591 15
♦13X017012XX	350	S	5.118	6.693 170	6.705 170.30	0.472	◆18X512013XX	350	S	7.283 185	8.268 210	8.281 210.35	0.512 13
♦13X017015XX	350	S	130 5.118	6.693	6.704	12 0.591	♦19X022016XX	350	S	7.48	8.661	8.675	0.63
♦13X516013XX	350	S	130 5.315 135	170 6.299 160	170.28 6.314 160.38	15 0.512 13	◆19X023016XX	320	S	190 7.48 190	220 8.858 230	220.35 8.866 230.20	16 0.63 16
♦13X517012XX	350	S	6.513	6.693	6.708	0.472	◆20X023015XX	450	S	7.874	9.055	9.069	0.591
♦13X815212XX	470	S	135 5.433 138	170 5.984 152	170.38 5.988 152.10	12 0.472 12	◆21X024015XX	350	S	200 8.268 210	230 9.449 240	230.35 9.463 240.35	15 0.591 15
◆14X016012XX	320	S	5.512 140	6.299 160	6.307 160.20	0.472	◆21X025015XX	320	S	8.268 210	9.843 250	9.85 250.20	0.591 15
◆14X016013XX	350	S	5.512 140	6.299	6.31 160.27	0.512	◆22X025015XX	350	S	8.661 220	9.843 250	9.856 250.35	0.591
♦14X017012XX	320	S	5.512 140	6.693	6.705 170.30	0.472	◆23X026015XX	350	S	9.055	10.236	10.25 260.35	0.591
♦14X017015XX	350	S	5.512 140	170 6.693 170	6.71	12 0.591	◆24X027015XX	350	S	9.449 240	10.63	10.644	0.591
◆14X018012XX	350	S	5.512 140	7.087 180	170.43 7.098 180.30	15 0.472 12	◆24X028016XX	320	S	9.449 240	270 11.024 280	270.35 11.031 280.20	15 0.63 16
◆14X018018XX	320	S	5.512 140	7.087 180	7.102 180.38	0.709	◆28X032020XX	320	S	11.024 280	12.598 320	12.616 320.45	0.787
♦14X416012XX	350	S	5.669	6.299	6.309	0.472	◆30X034020XX	320	S	11.811	13.386	13.404	0.787
◆14X516414XX	470	S	144 5.709	160 6.457	160.25 6.461	12 0.551	♦38X52085XX	320	S	300 1.496	340 2.047	340.45 2.057	0.335
◆14X517012XX	350	S	145 5.709	164 6.693	164.10 6.711	14 0.472	♦55X10013X	450	S	38 2.165	52 3.937	52.25 3.949	8.50 0.5
♦14X517515XX	350	S	145 5.709 145	170 6.89 175	170.45 6.905 175.38	12 0.591 15	♦55X1007X	320	S	55 2.165 55	100 2.953 75	100.30 2.961 75.20	12.70 0.276 7
◆14X518012XX	350	S	5.709	7.087	7.098	0.472	◆56X72115XX	350	S	2.205	2.835	2.85	0.453
♦14X518012XX	350	S	145 5.709	180 7.087	180.28 7.098	12 0.472	◆60X10010XX↔	320	Ν	56 2.362	72 3.937	72.40 3.945	11.50 0.394
◆14X817015XX	350	S	145 5.709	180 6.89	180.28 6.905	12 0.591	♦60X11008XX	320	S	2.362	100 4.331	100.20 4.339	0.315
♦14X817015XX	350	S	148 5.827	170 6.693	170.28 6.704	15 0.591	♦62X10007XX	320	S	60 2.441	3.937	110.20 3.949	8 0.276
♦15X018012XX	350	S	148 5.906 150	170 7.087 180	170.28 7.1 180.35	15 0.472 12	♦65X10007XX	320	S	62 2.559 65	3.937 100	100.30 3.949 100.30	7 0.276 7
◆15X018015XX	350	S	5.906	7.087	7.1	0.591	♦65X10010XX	350	S	2.559	3.937	3.948	0.394
♦15X518015XX	320	S	150 6.102	180 7.087	180.35 7.096	15 0.591	♦68X10010XX	350	S	65 2.677	100 3.937	100.28 3.945	0.394
◆16X018510XX	350	S	155 6.299	180 7.283	180.23 7.297	15 0.394	♦68X10013XX	350	S	68 2.677	100 3.937	100.20 3.948	10 0.512
♦16X019015XX	350	S	160 6.299 160	185 7.48 190	185.35 7.494 190.35	10 0.591 15	◆70X10010XX	320	S	68 2.756 70	100 3.937 100	100.28 3.945 100.20	13 0.394 10

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
◆70X10013XX	350	S	2.756 70	3.937 100	3.948 100.28	0.512 13	♦85X13013XX	480	S	3.346 85	5.118 130	5.124 130.15	0.5 12.70
◆70X10507XX	320	S	2.756	4.134	4.146	0.276	♦88X11012XX	350	S	3.465	4.331	4.342	0.472
◆70X10513XX	350	S	70 2.756 70	105 4.134 105	105.30 4.142 105.20	7 0.512 13	◆90X11012XX	350	S	88 3.543 90	110 4.331 110	110.28 4.339 110.20	12 0.472 12
◆70X11010XX	350	S	2.756 70	4.331 110	4.339 110.20	0.394	◆90X11512XX	320	S	3.543	4.528 115	4.535 115.20	0.472
♦72X10010XX	350	S	2.835 72	3.937	3.945 100.20	0.394	♦90X12012XX	320	S	3.543 90	4.724 120	4.735 120.28	0.472
◆72X10012XX↔	320	S	2.835 72	3.937 100	3.949 100.31	0.472 12	♦90X12507XX	320	S	3.543 90	4.921 125	4.949 125.70	0.276 7
◆75X10010XX	320	S	2.953	3.937	3.945	0.394	◆90X12513XX	320	S	3.543	4.921	4.933	0.512
◆75X10012XX	320	S	75 2.953 75	100 3.937 100	100.20 3.948 100.27	10 0.472 12	◆90X14514XX	320	S	3.543	125 5.709 145	125.30 5.717 145.20	13 0.551 14
◆75X10513XX	320	S	2.953 75	4.134 105	4.144 105.27	0.512 13	◆92X12013XX	350	S	3.622 92	4.724 120	4.734 120.24	0.512
♦75X11012XX	320	S	2.953 75	4.331 110	4.339 110.20	0.472 12	♦95X11010XX	320	S	3.74 95	4.331 110	4.339 110.20	0.394
♦75X11512XX	350	S	2.953 75	4.528 115	4.539 115.30	0.472	◆95X11512XX	350	S	3.74 95	4.528 115	4.539 115.28	0.472
◆75X12010XX	320	S	2.953 75	4.724 120	4.732 120.20	0.394	♦95X12012XX	350	S	3.74 95	4.724 120	4.735 120.28	0.472 12
◆78X10010XX	350	S	3.071 78	3.937 100	3.948 100.27	0.394	♦95X12512XX	350	S	3.74 95	4.921 125	4.932 125.28	0.472 12
◆78X10510XX	320	S	3.071 78	4.134 105	4.142 105.20	0.394 10	♦95X13012XX	350	S	3.74 95	5.118 130	5.129 130.28	0.472 12
◆78X11510XX	320	S	3.071 78	4.528 115	4.535 115.20	0.394 10	♦98X12013XX	350	S	3.858 98	4.724 120	4.732 120.20	0.512 13
♦80X10010XX	350	S	3.15 80	3.937 100	3.945 100.20	0.394							
♦80X10510XX	320	S	3.15	4.134	4.142	0.394							
♦80X10513XX	480	S	80 3.15	105 4.134	105.20 4.144 105.27	10 0.512							
♦80X11010XX	320	S	80 3.15 80	105 4.331 110	4.342 110.28	13 0.394 10							
♦80X11012XX	350	S	3.15 80	4.331 110	4.342 110.28	0.472 12							
♦80X12010XX	320	S	3.15 80	4.724 120	4.732 120.20	0.394							
◆80X12013XX	320	S	3.15 80	4.724 120	4.735 120.28	0.512							
♦82X10513XX	250	S	3.228 82	4.134 105	4.144 105.25	0.512 13							
♦85X10510XX	320	S	3.346 85	4.134 105	4.145 105.28	0.394 10							
♦85X10513XX	320	S	3.346 85	4.134 105	4.145 105.28	0.512 13							
♦85X11010XX	350	S	3.346 85	4.331	4.339	0.394							
◆85X11012XX	350	S	3.346	4.331	4.342 110.28	0.472							
♦85X11513XX	350	S	85 3.346 85	110 4.528 115	4.528 115.00	12 0.512 13							
♦85X12012XX	320	S	3.346 85	4.724 120	4.735 120.28	0.472 12							
♦85X12512XX	320	S	3.346 85	4.921 125	4.929 125.20	0.472							

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
61607XX 62207XX 71607XX 72207XX 81404XX	350 350 320 350 350	S S S S	6 6 7 7 8	16 22 16 22 14	16.28 22.28 16.28 22.28 14.20	7 7 7 7 4	152807XX 153007XX 153207XX *153207XX 153208XX	320 350 350 350 350	S S V S	15 15 15 15 15	28 30 32 32 32 32	28.20 30.23 32.20 32.20 32.22	7 7 7 7 8
81607XX 81805XX 81807XX 82207XX *82207XX	350 350 320 320 320	S S S V	8 8 8 8	16 18 18 22 22	16.23 18.20 18.20 22.28 22.20	7 5 7 7	153507XX 153706XX 154007XX 162204XX 162406XX	350 320 320 320 320	S S S S S	15 15 15 16 16	35 37 40 22 24	35.23 37.20 40.20 22.20 24.20	7 6 7 4 6
82407XX 91807XX 92207XX 92407XX 92607XX	350 350 350 350 350	S S S S S	8 9 9 9	24 18 22 24 26	24.28 18.20 22.20 24.28 26.28	7 7 7 7 7	162407XX 162405XX 162607XX 162807XX *162807XX	320 350 320 350 320	S S S V	16 16 16 16	24 25 26 28 28	24.20 25.20 26.20 28.23 28.20	7 5 7 7
101907XX 102207XX 102407XX 102507XX 102607XX	350 320 350 320 320	S S S S S	10 10 10 10 10	19 22 24 25 26	19.20 22.28 24.23 25.28 26.23	7 7 7 7 7	163007XX 163207XX 163507XX 163807XX 164007XX	350 320 350 320 320	S S S S S	16 16 16 16	30 32 35 38 40	30.23 32.28 35.23 38.20 40.20	7 7 7 7 7
111704XX 112207XX 112607XX 121905XX 122005XX	320 350 350 320 320	S S S S S	11 11 11 12 12	17 22 26 19 20	17.25 22.28 26.28 19.20 20.28	4 7 7 5 5	172707XX 172807XX 173007XX 173207XX 173507XX	320 350 350 350 350	88888	17 17 17 17 17	27 28 30 32 35	27.20 28.23 30.23 32.22 35.18	7 7 7 7 7
122207XX 122407XX 12X25045XX 122507XX 122607XX	350 320 320 480 320	S S S S S	12 12 12 12 12	22 24 25 25 26	22.25 24.23 25.20 25.25 26.20	7 7 4.50 7 7	173508XX 173707XX 173807XX 174007XX 174707XX	350 320 320 350 350	S S S S S	17 17 17 17 17	35 37 38 40 47	35.20 37.20 38.20 40.23 47.20	8 7 7 7
122807XX 123007XX 123207XX 123507XX 132206XX	350 350 350 320 320	S S S S	12 12 12 12 12	28 30 32 35 22	28.20 30.20 32.20 35.20 22.20	7 7 7 7 6	174708XX 182806XX 183007XX 183207XX 183208XX	320 350 350 350 350	S S S S	17 18 18 18 18	47 28 30 32 32	47.20 28.28 30.23 32.20 32.22	8 6 7 7 8
132607XX 132807XX 133007XX 142407XX 142505XX	320 320 320 350 320	S S S S S	13 13 13 14 14	26 28 30 24 25	26.20 28.20 30.20 24.23 25.23	7 7 7 7 5	183507XX 183708XX 183807XX 184007XX 192706XX	320 320 320 350 350	S S S S S	18 18 18 18 19	35 37 38 40 27	35.18 37.20 38.20 40.22 27.20	7 8 7 7 6
142607XX 142707XX 142806XX 143007XX 143207XX	320 320 350 320 320	S S S S S	14 14 14 14 14	26 27 28 30 32	26.23 27.20 28.23 30.20 32.20	7 7 6 7 7	193007XX 193207XX 193208XX 193510XX 194010XX	320 350 320 350 350	5 5 5 5 5	19 19 19 19	30 32 32 35 40	30.20 32.20 32.20 35.23 40.23	7 7 8 10 10
143507XX 152407XX 152505XX 152507XX 152607XX	350 350 320 350 350	S S S S S	14 15 15 15 15	35 24 25 25 26	35.22 24.23 25.20 25.20 26.23	7 7 5 7 7	194707XX 202806XX 203007XX 203207XX 203507XX	320 320 350 350 350	S S S S S	19 20 20 20 20 20	47 28 30 32 35	47.20 28.20 30.28 32.23 35.23	7 6 7 7

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
203607XX 203707XX 203708XX 203807XX 204007XX	320 320 320 320 320 350	S S S S	20 20 20 20 20 20	36 37 37 38 40	36.20 37.20 37.20 38.20 40.23	7 7 8 7 7	256210XX 263707XX 263805XX 264007XX 264207XX	320 320 320 320 320 320	S S S S S	25 26 26 26 26 26	62 37 38 40 42	62.28 37.20 38.20 40.20 42.20	10 7 5 7 7
204010XX 204207XX 204210XX 204707XX 205207XX	350 350 320 350 350	S S S S	20 20 20 20 20	40 42 42 47 52	40.23 42.25 42.15 47.22 52.20	10 7 10 7 7	264210XX 264707XX 264807XX 265208XX 273707XX	350 350 320 320 350	S S S S S	26 26 26 26 27	42 47 48 52 37	42.23 47.23 48.23 52.20 37.15	10 7 7 8 7
213507XX 213508XX 223207XX 223507XX 223607XX	320 320 350 350 320	S S S S	21 21 22 22 22	35 35 32 35 36	35.20 35.20 32.23 35.23 36.20	7 8 7 7 7	274210XX 274308XX 274508XX 274710XX 275208XX	350 320 350 350 350	S S S S S	27 27 27 27 27	42 43 45 47 52	42.23 43.20 45.25 47.23 52.20	10 8 8 10 8
223707XX 223807XX 223808XX 224007XX 224008XX	350 350 320 350 350	S S S S S	22 22 22 22 22 22	37 38 38 40 40	37.23 38.20 38.20 40.23 40.20	7 7 8 7 8	283807XX 284007XX 284008XX 284208XX 284406XX	350 350 320 350 320	SSSSN	28 28 28 28 28	38 40 40 42 44	38.23 40.26 40.20 42.23 44.23	7 7 8 8 6
224207XX 224210XX 224507XX 224707XX 243507XX	320 350 350 350 350	S S S S S	22 22 22 22 22 24	42 42 45 47 35	42.20 42.20 45.23 47.23 35.23	7 10 7 7 7	284508XX 284707XX 284808XX 285207XX 304007XX	320 350 320 350 350	5 5 5 5 5	28 28 28 28 28 30	45 47 48 52 40	45.20 47.22 48.20 52.23 40.23	8 7 8 7 7
243707XX 243807XX 244007XX 244207XX 244210XX	350 320 350 320 320	S S S S S	24 24 24 24 24	37 38 40 42 42	37.23 38.20 40.23 42.20 42.25	7 7 7 7 10	304207XX 304407XX 304505XX 304508XX 304607XX	350 250 320 320 320	S S S S S	30 30 30 30 30	42 44 45 45 46	42.20 44.28 45.22 4 5. 20 46.20	7 7 5 8 7
244707XX 245207XX 253506XX 253506XX 253607XX	350 320 320 350 320	S S S S S	24 24 25 25 25	47 52 35 35 36	47.23 52.20 35.20 35.25 36.23	7 7 6 7	304707XX 304808XX 305007XX 305008XX 305207XX	350 350 350 480 350	S S S S S	30 30 30 30 30	47 48 50 50 52	47.25 48.28 50.23 50.20 52.23	7 8 7 8 7
253608XX 253707XX 253807XX 254007XX 254206XX	350 320 350 350 350	S S S S S	25 25 25 25 25 25	36 37 38 40 42	36.22 37.20 38.23 40.22 42.20	8 7 7 7 6	305510XX 305608XX 306207XX 307210XX 314408XX	350 350 350 350 320	5555	30 30 30 30 30	55 56 62 72 44	55.28 56.20 62.28 72.27 44.20	10 8 7 10 8
254208XX 254210XX 254508XX 254607XX 254707XX	320 350 350 320 350	\$ \$ \$ \$	25 25 25 25 25 25	42 42 45 46 47	42.20 42.28 45.23 46.20 47.23	8 10 8 7 7	324207XX 324208XX 324307XX 324507XX 324606XX	350 320 320 320 320 320	S S S S S	32 32 32 32 32 32	42 42 43 45 46	42.20 42.20 43.20 45.23 46.23	7 8 7 7 6
254808XX 255010XX 255207XX 255208XX 255210XX	320 350 350 350 350	S S S S	25 25 25 25 25 25	48 50 52 52 52	48.20 50.28 52.27 52.20 52.20	8 10 7 8 10	324707XX 324808XX 325008XX 325207XX 325410XX	350 350 350 350 320	S S S S S	32 32 32 32 32 32	47 48 50 52 54	47.23 48.20 50.23 52.28 54.23	7 8 8 7 10

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
325610XX 325808XX	350 320	S S	32 32	56 58	56.28 58.20	10 8	385407XX 385410XX	480 320	S S	38 38	54 54	54.18 54.18	7 10
326008XX	320	S	32	60	60.20	8	385507XX	350	Ν	38	55	55.23	7
326010XX	480	S	32	60	60.20	10	385610XX	350	S	38	56	56.28	10
326208XX	320	S	32	62	62.20	8	385808XX	470	S	38	58	58.11	8
327208XX	320	S	32	72 50	72.20	8	386008XX 386010XX	320	S	38	60	60.20	8
335012XX 335206XX	320 320	S S	33 33	50 52	50.25 52.25	12 6	386207XX	350 350	S S	38 38	60 62	60.35 62.28	10 7
344508XX	320	Š	34	45	45.20	8	386508XX	320	Š	38	65	65.20	8
345208XX	320	S	34	52	52.28	8	386808XX	320	S	38	68	68.20	8
345409XX	350	S	34	54	54.20	9	386810XX	320	S	38	68	68.20	10
345509XX	320	S	34	55	55.20	9	387010XX	350	S	38	70	70.20	10
346210XX 354507XX	350 350	S S	34 35	62 45	62.18 45.15	10 7	387210XX 387408XX	350 320	S S	38 38	72 74	72.20 74.20	10 8
354707XX	350	S	35	47	47.23	7	387411XX	320	N	38	74	74.20	11
354808XX	320	S	35	48	48.20	8	405008XX	350	S	40	50	50.20	8
355007XX	350	S	35	50	50.20	7	405207XX	350	S	40	52	52.25	7
355008XX	350	S	35	50 50	50.24	8	405406XX	470	S	40	54	54.20	5.50
355207XX 355208XX	350 330	S S	35 35	52 52	52.20 52.13	7 8	405506XX 405508XX	350 350	S S	40 40	55 55	55.20 55.28	6.50 8
355408XX	350	S	35	54	54.20	8	405607XX	320	S	40	56	56.20	7
355508XX	470	S	35	55	55.10	8	405710XX	320	Š	40	57	57.20	10
355511XX	320	S	35	55	55.23	11	405808XX	350	S	40	58	58.20	8
355608XX 355610XX	350 320	S S	35 35	56 56	56.20 56.27	8 10	405810XX 406010XX	320 350	S S	40 40	58 60	58.28 60.20	10 10
	020				00.27								
355810XX	350	S	35	58	58.28	10	406207XX	350	S	40	62	62.20	7
356010XX 356207XX	350 350	S S	35 35	60 62	60.23 62.28	10 7	406208XX 406212XX	320 350	S S	40 40	62 62	62.25 62.25	8 11.50
356210XX	350	S	35	62	62.20	10	406510XX	350	S	40	65	65.28	10
356408XX	470	N	35	64	64.13	8	406808XX	350	S	40	68	68.80	8
356508XX	320	S	35	65	65.20	8	406812XX	350	S	40	68	68.25	12
356510XX	320	S	35	65	65.20	10	407008XX	320	S	40	70 70	70.20	8
357008XX 357210XX	320 350	S S	35 35	70 72	70.20 72.28	8 10	407207XX 407808XX	350 320	S S	40 40	72 78	72.35 78.80	7 8
358008XX	320	S	35	80	80.20	8	407810XX	350	S	40	78	78.20	10
364707XX	350	S	36	47	47.20	7	408010XX	350	S	40	80	80.28	10
365007XX	470	S	36	50	50.08	7	409008XX	350	S	40	90	90.20	8
365207XX	350	S	36	52	52.20	7	415507XX	320	S	41	55	55.29	7
365408XX 365610XX	350 350	S S	36 36	54 56	54.20 56.25	8 10	415607XX 425507XX	350 320	S S	41 42	56 55	56.25 55.20	7 7
365808XX	470	S	36	58	58.25	8	425508XX	350	S	42	55	55.28	8
365812XX	350	S	36	58	58.23	12	425607XX	320	S	42 42	56	56.13	7
366007XX	320	S	36	60	60.20	7	425807XX	480	S	42	58	58.10	7
366207XX	320	S	36	62	62.28	7	426007XX	320	S	42	60	60.22	7
366810XX	350	S	36	68	68.28	10	426208XX	350	S	42	62	62.27	8
375208XX 385007XX	350 350	S S	37 38	52 50	52.28 50.25	8 7	426510XX 426808XX	470 320	N S	42 42	65 68	65.15 68.20	10 8
385207XX	320	S	38	50 52	52.20	7	426810XX	320	S	42 42	68	62.20	10
38X52085XX	320	S	38	52	52.25	8.50	427010XX	320	S	42	70	70.20	10
385308XX	320	S	38	53	53.20	8	427208XX	320	S	42	72	72.20	8

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
427210XX 428008XX 428010XX 435508XX 436508XX	320 320 350 320 320	S S S S S	42 42 42 43 43	72 80 80 55 65	72.27 80.20 80.20 55.20 65.20	10 8 10 8 8	507512XX 508008XX 508508XX 509008XX 509010XX	320 350 320 320 350	S S S S S	50 50 50 50 50	75 80 85 90 90	75.28 80.28 85.20 90.20 90.28	12 8 8 8 10
446007XX 446010XX 446208XX↔ 446510XX 447008XX	320 350 320 350 320	S S S S S	44 44 44 44	60 60 62 65 70	60.20 60.20 62.26 65.28 70.20	7 10 8 10 8	516507XX 526509XX 526808XX 526910XX 527008XX	470 350 350 350 350 320	S S S S S	51 52 52 52 52 52	65 65 68 69 70	65.10 65.30 68.28 69.28 70.20	7 9 8 10 8
447210XX 455807XX 456007XX 456008XX 456010XX	350 350 350 350 350	S S S S S	44 45 45 45 45	72 58 60 60 60	72.11 58.28 60.20 60.20 60.25	10 7 7 8 10	527208XX 527512XX 528010XX↔ 528208XX 528507XX	350 350 320 320 320	S S S S S	52 52 52 52 52	72 75 80 82 85	72.20 75.28 80.28 82.20 85.20	8 12 10 8 8
456208XX 456508XX 456807XX 457010XX 457207XX	350 350 320 320 350	S S S S S	45 45 45 45 45	62 65 68 70 72	62.30 65.28 68.28 70.18 72.28	8 8 7 10 7	546508XX 547210XX 547308XX 548210XX 548510XX	320 320 320 320 320	S S S S S	54 54 54 54 54	65 72 73 82 85	65.20 72.25 73.20 82.35 85.28	8 10 8 10 10
457210XX 457295XX 457212XX 457507XX 458010XX	350 320 350 320 350	S S S S S	45 45 45 45 45	72 72 72 75 80	72.20 72.25 72.28 75.20 80.28	10 10 12 7 10	556808XX 557008XX 557208XX 55X1007X 557508XX	320 350 350 320 350	S S S S S	55 55 55 55 55	68 70 72 75 75	68.28 70.27 72.25 75.20 75.20	8 8 8 7 8
458510XX 458513XX 467008XX 466507XX 476208XX	350 450 320 320 320	S S S S S	45 45 46 46 47	85 85 70 6500 62	85.20 85.25 70.20 65.20 62.20	10 13 8 7 8	557510XX 557810XX 558008XX 558212XX 558510XX	350 350 350 350 350	S S S S S	55 55 55 55 55	75 78 80 82 85	75.35 78.28 80.28 82.30 85.31	10 10 8 12 10
476508XX 476810XX 477010XX 486208XX 486309XX	320 320 320 350 470	S S S S S	47 47 47 48 48	65 68 70 62 63	65.20 68.27 70.20 62.10 63.09	8 10 10 8 9	558808XX↔ 559013XX 55X10013X 566810XX 567008XX	320 350 450 480 350	SSSNS	55 55 55 56 56	88 90 100 68 70	88.20 90.28 100.30 68.12 70.20	8 13 13 10 8
486510XX 486810XX 487008XX 487009XX 487207XX	320 320 350 350 320	S N S S S	48 48 48 48 48	65 68 70 70 72	65.30 68.27 70.20 70.28 72.31	10 10 8 9 7	567207XX 56X72115XX 567507XX 568008XX 568208XX	320 350 320 320 320	S S S S S	56 56 56 56 56	72 72 75 80 82	72.20 72.40 75.20 80.28 82.20	7 11.50 7 8 8
487510XX 488008XX 489010XX 506207XX 506508XX	320 320 350 350 320	S S S S S	48 48 48 50 50	75 80 90 62 65	75.20 80.20 90.20 62.28 65.28	10 8 10 7 8	568508XX 568808XX 569008XX 578513XX 587208XX	350 320 320 320 350	S S S S S	56 56 56 57 58	85 88 90 85 72	85.28 88.20 90.20 85.20 72.28	8 8 8 13 8
506808XX 507008XX 507009XX 507208XX 507507XX	350 320 320 350 320	S S S S S	50 50 50 50 50	68 70 70 72 75	68.28 70.20 70.20 72.28 75.20	8 8 9 8 7	587511XX 588008XX 588513XX 588808XX 589010XX	350 350 320 320 350	S S S S S	58 58 58 58 58	75 80 85 88 90	75.28 80.28 85.25 88.20 90.28	11 8 13 8 10

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
607208XX 607508XX 608008XX 608207XX 608212XX	350 350 350 320 350	S S S S	60 60 60 60	72 75 80 82 82	72.28 75.28 80.20 82.20 82.30	8 8 8 7 12	729010XX 729510XX 72X10010XX 72X10012XX↔ 759008XX	350 350 350 320 320	S S S S S	72 72 72 72 72 75	90 95 100 100 90	90.20 95.28 100.20 100.31 90.20	10 10 10 12 8
608508XX 608512XX 609008XX 609010XX 609508XX	350 320 320 350 320	S S S S	60 60 60 60	85 85 90 90 95	85.28 85.20 90.25 90.27 95.20	8 12 8 10 8	759010XX 759510XX 75X10010XX 75X10012XX 75X10513XX	320 350 320 320 320	S S S S S	75 75 75 75 75	90 95 100 100 105	90.25 95.28 100.20 100.27 105.27	10 10 10 12 13
60X10010XX ↔ 60X11008XX 628009XX 628010XX 628508XX	320 320 320 350 410	N S S S S	60 60 62 62 62	100 110 80 80 85	100.20 110.20 80.20 80.28 85.13	10 8 9 10 8	75X11012XX 75X11512XX 75X12010XX 78X10010XX 78X10510XX	320 350 320 350 320	S S S S S	75 75 75 78 78	110 115 120 100 105	110.20 115.30 120.20 100.27 105.20	12 12 10 10
629010XX 62X10007XX 638510XX 639010XX 648008XX	350 320 320 320 320	S S S S S	62 62 63 63 64	90 100 85 90 80	90.28 100.30 85.28 90.14 80.28	10 7 10 10 8	78X11510XX 80X10010XX 80X10510XX 80X10513XX 80X11010XX	320 350 320 480 320	S S S S S	78 80 80 80	115 100 105 105 110	115.20 100.20 105.20 105.27 110.28	10 10 10 13 10
658008XX 658508XX 658510XX 658808XX 658810XX	320 350 350 350 320	S S S S S	65 65 65 65 65	80 85 85 88 88	80.28 85.20 85.27 88.20 88.20	8 8 10 8 10	80X11012XX 80X12010XX 80X12013XX 82X10513XX 85X10510XX	350 320 320 250 320	S S S S S	80 80 80 82 85	110 120 120 105 105	110.28 120.20 120.28 105.25 105.28	12 10 13 13 10
659007XX 659010XX 659013XX 65X10007XX 65X10010XX	320 350 350 320 350	S S S S	65 65 65 65 65	90 90 90 100 100	90.20 90.28 90.20 100.30 100.28	7 10 13 7 10	85X10513XX 85X11010XX 85X11012XX 85X11513XX 85X12012XX	320 350 350 350 320	S S S S S	85 85 85 85 85	105 110 110 115 120	105.28 110.20 110.28 115.00 120.28	13 10 12 13 12
688207XX 688508XX 689007XX 689010XX 689510XX	350 350 320 350 350	S S S S	68 68 68 68	82 85 90 90	82.20 85.20 90.20 90.32 95.20	7 8 7 10 10	85X12512XX 85X13013XX 88X11012XX 90X11012XX 90X11512XX	320 480 350 350 320	S S S S S	85 85 88 90	125 130 110 110 115	125.20 130.15 110.28 110.20 115.20	12 13 12 12 12
68X10010XX 68X10013XX 708508XX 708808XX 708812XX	350 350 350 480 320	S S S S	68 68 70 70 70	100 100 85 88 88	100.20 100.28 85.28 88.25 88.25	10 13 8 8 12	90X12012XX 90X12507XX 90X12513XX 90X14514XX 92X12013XX	320 320 320 320 350	S S S S S	90 90 90 90 92	120 125 125 145 120	120.28 125.70 125.30 145.20 120.24	12 7 13 14 13
709007XX 709010XX 709212XX 709510XX 709513XX	320 350 320 350 350	S S S S S	70 70 70 70 70	90 90 92 95 95	90.20 90.32 92.20 95.28 95.28	7 10 12 10 13	95X11010XX 95X11512XX 95X12012XX 95X12512XX 95X13012XX	320 350 350 350 350	S S S S S	95 95 95 95 95	110 115 120 125 130	110.20 115.28 120.28 125.28 130.28	10 12 12 12 12
70X10010XX 70X10013XX 70X10507XX 70X10513XX 70X11010XX	320 350 320 350 350	\$ \$ \$ \$	70 70 70 70 70	100 100 105 105 110	100.20 100.28 105.30 105.20 110.20	10 13 7 13 10	98X12013XX 10X012010XX 10X012012XX 10X012512XX 10X013012XX	350 350 350 350 350	S S S S S	98 100 100 100 100	120 120 120 125 130	120.20 120.30 120.28 125.28 130.28	13 10 12 12 12

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
10X213013XX	350	S	102	130	130.28	13	16X018510XX	350	S	160	185	185.35	10
10X512513XX	320	Š	105	125	125.28	13	16X019015XX	350	Š	160	190	190.35	15
10X513012XX	350	S	105	130	130.28	12	16X020012XX	320	S	160	200	200.20	12
10X514012XX	350	S	105	140	140.28	12	16X020015XX	320	S	160	200	200.20	15
11X013012XX	350	S	110	130	130.28	12	17X020015XX	350	S	170	200	200.35	15
11X013513XX	320	S	110	135	135.30	13	17X021015XX	320	S	170	210	210.20	15
11X014012XX	320	S	110	140	140.28	12	17X520015XX	320	S	175	200	200.35	15
11X014013XX	450	S	110	140	140.23	13	18X021015XX	350	S	180	210	210.35	15
11X014513XX	350	S	110	145	145.30	13	18X512013XX	350	S	185	210	210.35	13
11X015015XX	350	S	110	150	150.28	15	19X022016XX	350	S	190	220	220.35	16
11X2140013XX	350	S	112	140	140.32	13	19X023016XX	320	S	190	230	230.20	16
11X414013XX	350	S	114	140	140.28	13	20X023015XX	450	S	200	230	230.35	15
11X514012XX	350	S	115	140	140.28	12	21X024015XX	350	S	210	240	240.35	15
11X514513XX	350	S	115	145	145.30	13	21X025015XX	320	S	210	250	250.20	15
11X514514XX	320	S	115	145	145.20	14	22X025015XX	350	S	220	250	250.35	15
11X515012XX	350	S	115	150	150.28	12	23X026015XX	350	S	230	260	260.35	15
12X014013XX	350	S	120	140	140.28	13	24X027015XX	350	S	240	270	270.35	15
12X014512XX	350	Š	120	145	145.28	12	24X028016XX	320	Š	240	280	280.20	16
12X015012XX	350	Š	120	150	150.28	12	28X032020XX	320	Š	280	320	320.45	20
12X016012XX	350	S	120	160	160.28	12	30X034020XX	320	S	300	340	340.45	20
12X515012XX	320	S	125	150	150.28	12							
12X515512XX	320	S	125	155	155.20	12							
12X516012XX	350	S	125	160	160.28	12							
12X517015XX	320	Š	125	170	170.20	15							
*12X815015XX	350	S	128	150	150.28	15							
13X015010XX	470	S	130	150	150.10	10							
13X016012XX	350	S	130	160	160.28	12							
13X016015XX	320	Š	130	160	160.20	15							
13X017012XX	350	Š	130	170	170.30	12							
13X017015XX	350	S	130	170	170.28	15							
13X516013XX	350	S	135	160	160.38	13							
13X517012XX	350	S	135	170	170.38	12							
13X815212XX	470	Š	138	152	152.10	12							
14X016012XX	320	Š	140	160	160.20	12							
14X016013XX	350	S	140	160	160.27	13							
14X017012XX	320	S	140	170	170.30	12							
14X017015XX	350	S	140	170	170.30	15							
14X018012XX	350	S	140	180	180.30	12							
14X018018XX	320	S	140	180	180.38	18							
14X416012XX	350	S	144	160	160.35	12							
14X516414XX	470	S	145	164	164.10	14							
14X517012XX	350	S	145	170	170.45	12 15							
14X517515XX 14X518012XX	350	S S	145	175	175.38	15							
14X518012XX 14X518012XX	350 350	S	145 145	180 180	180.28 180.28	12 12							
44V047045VV	050		140	470	170.00								
14X817015XX	350	S	148	170	170.28	15 15							
14X817015XX	350	S S	148	170	170.28	15							
15X018012XX 15X018015XX	350 350	S	150 150	180 180	180.35 180.35	12 15							
15X518015XX	320	S	150	180	180.35	15							
1979 100 1977	J2U	J	100	100	100.23	13							

Styles VS1, VS3, & VS4

Style VS2

Part Number	Style	Matl		iameter e* (d1)	Shaft/mm (d1)	Width on Shaft (A)	Overall Width (B)	Fitted Width (B1)	Width Tolerance (+/-)	Height (C)
800030	VS1	S	0.11	0.14	3	0.08	0.12	0.10	0.012	0.06
800034	VS1	V	0.11	0.14	3	0.08	0.12	0.10	0.012	0.06
800040	VS1	S	0.14	0.18	4	0.09	0.15	0.12	0.016	0.08
800044	VS1	V	0.14	0.18	4	0.09	0.15	0.12	0.016	0.08
800050	VS1	S	0.18	0.21	5	0.09	0.15	0.12	0.016	0.08
800051	VS2	S	0.18	0.21	5	0.15	0.21	0.18	0.016	0.08
800054	VS1	V	0.18	0.21	5	0.09	0.15	0.12	0.016	0.08
800055	VS2	V	0.18	0.21	5 5	0.15	0.21	0.18	0.016	0.08
800060	VS1	S	0.21	0.26	6	0.09	0.15	0.12	0.016	0.08
800061	VS2	S	0.21	0.26	6	0.15	0.21	0.18	0.016	0.08
800064	VS1	V	0.21	0.26	6	0.09	0.15	0.12	0.016	0.08
800065	VS2	V	0.21	0.26	6	0.15	0.21	0.18	0.016	0.08
800070	VS1	S	0.26	0.31	7	0.09	0.15	0.12	0.016	0.08
800071	VS2	Š	0.26	0.31	7	0.15	0.21	0.18	0.016	0.08
800074	VS1	V	0.26	0.31	7	0.09	0.15	0.12	0.016	80.0
800075	VS2	V	0.26	0.31	7	0.15	0.21	0.18	0.016	0.08
800080	VS1	S	0.31	0.37	8	0.09	0.15	0.12	0.016	0.08
800081	VS2	Š	0.31	0.37	8	0.15	0.21	0.18	0.016	0.08
800084	VS1	V	0.31	0.37	8	0.09	0.15	0.12	0.016	0.08
800085	VS2	V	0.31	0.37	8	0.15	0.21	0.18	0.016	0.08
800100	VS1	S	0.37	0.45	10	0.13	0.22	0.18	0.020	0.12
800101	VS2	S	0.37	0.45	10	0.10	0.30	0.26	0.020	0.12
800104	VS1	V	0.37	0.45	10	0.22	0.22	0.20	0.020	0.12
800105	VS1	V	0.37	0.45	10	0.13	0.30	0.16	0.020	0.12
800105	VS2 VS1	s S	0.37	0.43	12	0.22	0.30	0.20	0.020	0.12
000120	VSI	<u> </u>	0.45	0.49	12	0.13	0.22	0.16	0.020	0.12
800121	VS2	S	0.45	0.49	12	0.22	0.30	0.26	0.020	0.12
800124	VS1	V	0.45	0.49	12	0.13	0.22	0.18	0.020	0.12
800125	VS2	V	0.45	0.49	12	0.22	0.30	0.26	0.020	0.12
800130	VS1	S	0.49	0.53	13	0.13	0.22	0.18	0.020	0.12
800134	VS1	V	0.49	0.53	13	0.13	0.22	0.18	0.020	0.12

 $^{^{\}star}$ Select the larger V-Seal when the dimension d1 is on the boundary between two sizes of V-Seals

Part Number	Style	Matl	Shaft D Range	iameter e* (d1)	Shaft/mm (d1)	Width on Shaft (A)	Overall Width (B)	Fitted Width (B1)	Width Tolerance (+/-)	Height (C)
800140 800141 800144 800145 800160	VS1 VS2 VS1 VS2 VS1	S S V S	0.53 0.53 0.53 0.53 0.61	0.61 0.61 0.61 0.61 0.69	14 14 14 14 16	0.13 0.22 0.13 0.22 0.13	0.22 0.30 0.22 0.30 0.22	0.18 0.26 0.18 0.26 0.18	0.020 0.020 0.020 0.020 0.020	0.12 0.12 0.12 0.12 0.12
800161 800164 800165 800180 800181	VS2 VS1 VS2 VS1 VS2	S V S S	0.61 0.61 0.61 0.69 0.69	0.69 0.69 0.69 0.75 0.75	16 16 16 18	0.22 0.13 0.22 0.13 0.22	0.30 0.22 0.30 0.22 0.30	0.26 0.18 0.26 0.18 0.26	0.020 0.020 0.020 0.020 0.020	0.12 0.12 0.12 0.12 0.12
800184 800185 800200 800201 800204	VS1 VS2 VS1 VS2 VS1	V V S S V	0.69 0.69 0.75 0.75	0.75 0.75 0.83 0.83 0.83	18 18 20 20 20	0.13 0.22 0.18 0.31 0.18	0.22 0.30 0.30 0.41 0.30	0.18 0.26 0.24 0.35 0.24	0.020 0.020 0.030 0.030 0.030	0.12 0.12 0.16 0.16 0.16
800205	VS2	V	0.75	0.83	20	0.31	0.41	0.35	0.030	0.16
800220	VS1	S	0.83	0.95	22	0.18	0.30	0.24	0.030	0.16
800221	VS2	S	0.83	0.95	22	0.31	0.41	0.35	0.030	0.16
800224	VS1	V	0.83	0.95	22	0.18	0.30	0.24	0.030	0.16
800225	VS2	V	0.93	0.95	22	0.31	0.41	0.35	0.030	0.16
800250 800251 800254 800255 800280	VS1 VS2 VS1 VS2 VS1	S S V V S	0.95 0.96 0.95 0.95 1.07	1.07 1.07 1.07 1.07 1.14	25 25 25 25 25 28	0.18 0.31 0.18 0.31 0.18	0.30 0.41 0.30 0.41 0.30	0.24 0.35 0.24 0.35 0.24	0.030 0.030 0.030 0.030 0.030	0.16 0.16 0.16 0.16 0.16
800281	VS2	S	1.07	1.14	28	0.31	0.41	0.35	0.030	0.16
800284	VS1	V	1.07	1.14	28	0.18	0.30	0.24	0.030	0.16
800285	VS2	V	1.07	1.14	28	0.31	0.41	0.35	0.030	0.16
800300	VS1	S	1.14	1.22	30	0.18	0.30	0.24	0.030	0.16
800301	VS2	S	1.14	1.22	30	0.31	0.41	0.35	0.030	0.16
800304	VS1	V	1.14	1.22	30	0.18	0.30	0.24	0.030	0.16
800305	VS2	V	1.14	1.22	30	0.31	0.41	0.35	0.030	0.16
800320	VS1	S	1.22	1.30	32	0.18	0.30	0.24	0.030	0.16
800321	VS2	S	1.22	1.30	32	0.31	0.41	0.35	0.030	0.16
800324	VS1	V	1.22	1.30	32	0.18	0.30	0.24	0.030	0.16
800325	VS2	V	1.22	1.30	32	0.31	0.41	0.35	0.030	0.16
800350	VS1	S	1.30	1.42	35	0.18	0.30	0.24	0.030	0.16
800351	VS2	S	1.30	1.42	35	0.31	0.41	0.35	0.030	0.16
800354	VS1	V	1.30	1.42	35	0.18	0.30	0.24	0.030	0.16
800355	VS2	V	1.30	1.42	36	0.31	0.41	0.35	0.030	0.16
800380	VS1	S S V V S	1.42	1.50	38	0.18	0.30	0.24	0.030	0.16
800381	VS2		1.42	1.50	38	0.31	0.41	0.35	0.030	0.16
800384	VS1		1.42	1.50	38	0.18	0.30	0.24	0.030	0.16
800385	VS2		1.42	1.50	38	0.31	0.41	0.35	0.030	0.16
800400	VS1		1.50	1.70	40	0.21	0.35	0.28	0.040	0.20
800401	VS2	S V V S S	1.50	1.70	40	0.37	0.51	0.43	0.040	0.20
800404	VS1		1.50	1.70	40	0.21	0.35	0.28	0.040	0.20
800405	VS2		1.50	1.70	40	0.37	0.51	0.43	0.040	0.20
800450	VS1		1.70	1.89	45	0.21	0.35	0.28	0.040	0.20
800451	VS2		1.70	1.89	45	0.37	0.51	0.43	0.040	0.20

Styles VS1, VS3, & VS4

Style VS2

800454 VS1 V 1.70 1.89 45 0.21 0.35 0.28 0.040 0.20 800455 VS2 V 1.70 1.89 45 0.37 0.51 0.43 0.040 0.20 800501 VS2 S 1.89 2.09 50 0.21 0.35 0.28 0.040 0.20 800504 VS1 V 1.89 2.09 50 0.37 0.51 0.43 0.040 0.20 800504 VS1 V 1.89 2.09 50 0.21 0.35 0.28 0.040 0.20 800505 VS2 V 1.89 2.09 50 0.21 0.35 0.28 0.040 0.20 800505 VS2 V 1.89 2.09 50 0.21 0.35 0.28 0.040 0.20 800505 VS2 V 1.99 2.29 55 0.37 0.51 0.43 0.040	Part Number	Style	Matl		iameter e* (d1)	Shaft/mm (d1)	Width on Shaft (A)	Overall Width (B)	Fitted Width (B1)	Width Tolerance (+/-)	Height (C)
800500 VS1 S 1.89 2.09 50 0.21 0.35 0.28 0.040 0.20 800501 VS2 S 1.89 2.09 50 0.37 0.51 0.43 0.040 0.20 800504 VS1 V 1.89 2.09 50 0.21 0.35 0.28 0.040 0.20 800505 VS2 V 1.89 2.09 50 0.37 0.51 0.43 0.040 0.20 800550 VS1 S 2.09 2.29 55 0.21 0.35 0.28 0.040 0.20 800551 VS2 S 2.09 2.29 55 0.37 0.51 0.43 0.040 0.20 800554 VS1 V 2.09 2.29 55 0.21 0.35 0.28 0.040 0.20 800600 VS1 S 2.29 2.48 60 0.21 0.35 0.28 0.040	800454	VS1	V	1.70	1.89	45	0.21	0.35	0.28	0.040	0.20
800501 VS2 S 1.89 2.09 50 0.37 0.51 0.43 0.040 0.20 800504 VS1 V 1.89 2.09 50 0.21 0.35 0.28 0.040 0.20 800505 VS2 V 1.89 2.09 50 0.37 0.51 0.43 0.040 0.20 800551 VS2 S 2.09 2.29 55 0.21 0.35 0.28 0.040 0.20 800554 VS1 V 2.09 2.29 55 0.37 0.51 0.43 0.040 0.20 800555 VS2 V 2.09 2.29 55 0.37 0.51 0.43 0.040 0.20 800600 VS1 S 2.29 2.48 60 0.21 0.35 0.28 0.040 0.20 800601 VS2 S 2.29 2.48 60 0.37 0.51 0.43 0.040	800455	VS2	V	1.70	1.89	45	0.37	0.51	0.43	0.040	0.20
800504 VS1 V 1.89 2.09 50 0.21 0.35 0.28 0.040 0.20 800505 VS2 V 1.89 2.09 50 0.37 0.51 0.43 0.040 0.20 800550 VS1 S 2.09 2.29 55 0.21 0.35 0.28 0.040 0.20 800551 VS2 S 2.09 2.29 55 0.37 0.51 0.43 0.040 0.20 800554 VS1 V 2.09 2.29 55 0.37 0.51 0.43 0.040 0.20 800600 VS1 S 2.29 2.48 60 0.21 0.35 0.28 0.040 0.20 800601 VS2 S 2.29 2.48 60 0.37 0.51 0.43 0.040 0.20 800604 VS1 V 2.29 2.48 60 0.37 0.51 0.43 0.040	800500	VS1	S	1.89	2.09	50	0.21	0.35	0.28	0.040	0.20
800504 VS1 V 1.89 2.09 50 0.21 0.35 0.28 0.040 0.20 800505 VS2 V 1.89 2.09 50 0.37 0.51 0.43 0.040 0.20 800550 VS1 S 2.09 2.29 55 0.21 0.35 0.28 0.040 0.20 800551 VS2 S 2.09 2.29 55 0.37 0.51 0.43 0.040 0.20 800554 VS1 V 2.09 2.29 55 0.37 0.51 0.43 0.040 0.20 800600 VS1 S 2.29 2.48 60 0.21 0.35 0.28 0.040 0.20 800601 VS2 S 2.29 2.48 60 0.37 0.51 0.43 0.040 0.20 800604 VS1 V 2.29 2.48 60 0.37 0.51 0.43 0.040	800501	VS2	S	1.89	2.09		0.37	0.51	0.43	0.040	0.20
800550 VS1 S 2.09 2.29 55 0.21 0.35 0.28 0.040 0.20 800551 VS2 S 2.09 2.29 55 0.37 0.51 0.43 0.040 0.20 800554 VS1 V 2.09 2.29 55 0.37 0.51 0.43 0.040 0.20 800555 VS2 V 2.09 2.29 55 0.37 0.51 0.43 0.040 0.20 800600 VS1 S 2.29 2.48 60 0.21 0.35 0.28 0.040 0.20 800601 VS2 S 2.29 2.48 60 0.37 0.51 0.43 0.040 0.20 800604 VS1 V 2.29 2.48 60 0.21 0.35 0.28 0.040 0.20 800650 VS2 V 2.29 2.48 60 0.37 0.51 0.43 0.040	800504	VS1	V	1.89	2.09	50	0.21	0.35	0.28	0.040	0.20
800550 VS1 S 2.09 2.29 55 0.21 0.35 0.28 0.040 0.20 800551 VS2 S 2.09 2.29 55 0.37 0.51 0.43 0.040 0.20 800554 VS1 V 2.09 2.29 55 0.37 0.51 0.43 0.040 0.20 800555 VS2 V 2.09 2.29 55 0.37 0.51 0.43 0.040 0.20 800600 VS1 S 2.29 2.48 60 0.21 0.35 0.28 0.040 0.20 800601 VS2 S 2.29 2.48 60 0.37 0.51 0.43 0.040 0.20 800604 VS1 V 2.29 2.48 60 0.21 0.35 0.28 0.040 0.20 800650 VS2 V 2.29 2.48 60 0.37 0.51 0.43 0.040	800505	VS2	V	1.89	2.09	50	0.37	0.51	0.43	0.040	0.20
800551 VS2 S 2.09 2.29 55 0.37 0.51 0.43 0.040 0.20 800554 VS1 V 2.09 2.29 55 0.21 0.35 0.28 0.040 0.20 800555 VS2 V 2.09 2.29 55 0.37 0.51 0.43 0.040 0.20 800600 VS1 S 2.29 2.48 60 0.21 0.35 0.28 0.040 0.20 800604 VS1 V 2.29 2.48 60 0.37 0.51 0.43 0.040 0.20 800605 VS2 V 2.29 2.48 60 0.37 0.51 0.43 0.040 0.20 800650 VS1 S 2.48 2.68 65 0.21 0.35 0.28 0.040 0.20 800651 VS2 S 2.48 2.68 65 0.21 0.35 0.28 0.040	800550						0.21				
800554 VS1 V 2.09 2.29 55 0.21 0.35 0.28 0.040 0.20 800555 VS2 V 2.09 2.29 55 0.37 0.51 0.43 0.040 0.20 800600 VS1 S 2.29 2.48 60 0.21 0.35 0.28 0.040 0.20 800601 VS2 S 2.29 2.48 60 0.37 0.51 0.43 0.040 0.20 800604 VS1 V 2.29 2.48 60 0.21 0.35 0.28 0.040 0.20 800655 VS2 V 2.29 2.48 60 0.37 0.51 0.43 0.040 0.20 800650 VS1 S 2.48 2.68 65 0.21 0.35 0.28 0.040 0.20 800651 VS2 S 2.48 2.68 65 0.21 0.35 0.28 0.040	800551		S			55					
800555 VS2 V 2.09 2.29 55 0.37 0.51 0.43 0.040 0.20 800600 VS1 S 2.29 2.48 60 0.21 0.35 0.28 0.040 0.20 800601 VS2 S 2.29 2.48 60 0.37 0.51 0.43 0.040 0.20 800604 VS1 V 2.29 2.48 60 0.21 0.35 0.28 0.040 0.20 800605 VS2 V 2.29 2.48 60 0.37 0.51 0.43 0.040 0.20 800650 VS1 S 2.48 2.68 65 0.21 0.35 0.28 0.040 0.20 800651 VS2 S 2.48 2.68 65 0.21 0.35 0.28 0.040 0.20 800654 VS1 V 2.48 2.68 65 0.37 0.51 0.43 0.040	800554										
800601 VS2 S 2.29 2.48 60 0.37 0.51 0.43 0.040 0.20 800604 VS1 V 2.29 2.48 60 0.21 0.35 0.28 0.040 0.20 800650 VS2 V 2.29 2.48 60 0.37 0.51 0.43 0.040 0.20 800650 VS1 S 2.48 2.68 65 0.21 0.35 0.28 0.040 0.20 800651 VS2 S 2.48 2.68 65 0.21 0.35 0.28 0.040 0.20 800654 VS1 V 2.48 2.68 65 0.21 0.35 0.28 0.040 0.20 800755 VS2 V 2.48 2.68 65 0.37 0.51 0.43 0.040 0.20 800701 VS1 S 2.68 2.88 70 0.26 0.43 0.35 0.050	800555	VS2		2.09						0.040	
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800655 VS2 V 2.48 2.68 65 0.37 0.51 0.43 0.040 0.20 800700 VS1 S 2.68 2.88 70 0.26 0.43 0.35 0.050 0.24 800701 VS2 S 2.68 2.88 70 0.44 0.61 0.53 0.050 0.24 800704 VS1 V 2.68 2.88 70 0.26 0.43 0.35 0.050 0.24 800705 VS2 V 2.68 2.88 70 0.44 0.61 0.53 0.050 0.24 800750 VS1 S 2.88 3.07 75 0.26 0.43 0.35 0.050 0.24 800751 VS2 S 2.88 3.07 75 0.44 0.61 0.53 0.050 0.24 800754 VS1 V 2.88 3.07 75 0.26 0.43 0.35 0.050						65					
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800801 VS2 S 3.07 3.27 80 0.44 0.61 0.53 0.050 0.24 800804 VS1 V 3.07 3.27 80 0.26 0.43 0.35 0.050 0.24											
800804 VS1 V 3.07 3.27 80 0.26 0.43 0.35 0.050 0.24			5		3.27						
800805 VS2 V 3.07 3.27 80 0.44 0.61 0.53 0.050 0.24											
	800805	VS2	V	3.07	3.27	80	0.44	0.61	0.53	0.050	0.24

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Part Number	Style	Matl		iameter e* (d1)	Shaft/mm (d1)	Width on Shaft (A)	Overall Width (B)	Fitted Width (B1)	Width Tolerance (+/-)	Height (C)
800850	VS1	S	3.27	3.47	85	0.26	0.43	0.35	0.050	0.24
800851	VS2	S	3.27	3.47	85	0.44	0.61	0.53	0.050	0.24
800854	VS1	V	3.27	3.47	85	0.26	0.43	0.35	0.050	0.24
800855	VS2	V	3.27	3.47	85	0.44	0.61	0.53	0.050	0.24
800900	VS1	S	3.47	3.66	90	0.26	0.43	0.35	0.050	0.24
800901	VS2	S	3.47	3.66	90	0.44	0.61	0.53	0.050	0.24
800904	VS1	V	3.47	3.66	90	0.26	0.43	0.35	0.050	0.24
800905	VS2	V	3.47	3.66	90	0.44	0.61	0.53	0.050	0.24
800950	VS1	S	3.66	3.86	95	0.26	0.43	0.35	0.050	0.24
800951	VS2	S	3.66	3.86	95	0.44	0.61	0.53	0.050	0.24
800954 800955 801000 801001 801004	VS1 VS2 VS1 VS2 VS1	V V S S V	3.66 3.66 3.86 3.86 3.86	3.86 3.86 4.14 4.14 4.14	95 95 100 100	0.26 0.44 0.26 0.44 0.26	0.43 0.61 0.43 0.61 0.43	0.35 0.53 0.35 0.53 0.35	0.050 0.050 0.050 0.050 0.050	0.24 0.24 0.24 0.24 0.24
801005	VS2	V S S V V	3.86	4.14	100	0.44	0.61	0.53	0.050	0.24
801100	VS1		4.14	4.53	110	0.31	0.50	0.41	0.060	0.28
801101	VS2		4.14	4.53	110	0.52	0.71	0.61	0.060	0.28
801104	VS1		4.14	4.53	110	0.31	0.50	0.41	0.060	0.28
801105	VS2		4.14	4.53	110	0.52	0.71	0.61	0.060	0.28
801200 801201 801204 801205 801300	VS1 VS2 VS1 VS2 VS1	S S V V S	4.53 4.53 4.53 4.53 4.92	4.92 4.92 4.92 4.92 5.32	120 120 120 120 120 130	0.31 0.52 0.31 0.52 0.31	0.50 0.71 0.50 0.71 0.50	0.41 0.61 0.41 0.61 0.41	0.060 0.060 0.060 0.060 0.060	0.28 0.28 0.28 0.28 0.28
801301	VS2	S	4.92	5.32	130	0.52	0.71	0.61	0.060	0.28
801304	VS1	V	4.92	5.32	130	0.31	0.50	0.41	0.060	0.28
801305	VS2	V	4.92	5.32	130	0.52	0.71	0.61	0.060	0.28
801400	VS1	S	5.32	5.71	140	0.31	0.50	0.41	0.060	0.28
801401	VS2	S	5.32	5.71	140	0.52	0.71	0.61	0.060	0.28
801402 801404 801405 801406 801500	VS3 VS1 VS2 VS3 VS1	S V V S	5.32 5.32 5.32 5.32 5.71	5.71 5.71 5.71 5.71 6.10	140 140 140 140 150	0.24 0.31 0.52 0.24 0.31	0.41 0.50 0.71 0.41 0.50	0.31 0.41 0.61 0.31 0.41	0.060 0.060 0.060 0.060 0.060	0.26 0.28 0.28 0.26 0.28
801501 801502 801504 801505 801506	VS2 VS3 VS1 VS2 VS3	S S V V	5.71 5.71 5.71 5.71 5.71	6.10 6.10 6.10 6.10 6.10	150 150 150 150 150	0.52 0.24 0.31 0.52 0.24	0.71 0.41 0.50 0.71 0.41	0.61 0.31 0.41 0.61 0.31	0.060 0.060 0.060 0.060 0.060	0.28 0.26 0.28 0.28 0.26
801600	VS1	S S S V V	6.10	6.50	160	0.35	0.57	0.47	0.070	0.32
801601	VS2		6.10	6.50	160	0.59	0.81	0.71	0.070	0.32
801602	VS3		6.10	6.50	160	0.24	0.41	0.31	0.060	0.26
801604	VS1		6.10	6.50	160	0.35	0.57	0.47	0.070	0.32
801605	VS2		6.10	6.50	160	0.59	0.81	0.71	0.070	0.32
801606	VS3	V	6.10	6.50	160	0.24	0.41	0.31	0.060	0.26
801700	VS1	S	6.50	6.89	170	0.35	0.57	0.47	0.070	0.32
801701	VS2	S	6.50	6.89	170	0.59	0.81	0.71	0.070	0.32
801702	VS3	S	6.50	6.89	170	0.24	0.41	0.31	0.060	0.26
801704	VS1	V	6.50	6.89	170	0.35	0.57	0.47	0.070	0.32

Styles VS1, VS3, & VS4

Style VS2

Part Number	Style	Matl		Diameter e* (d1)	Shaft/mm (d1)	Width on Shaft (A)	Overall Width (B)	Fitted Width (B1)	Width Tolerance (+/-)	Height (C)
801705	VS2	V	6.50	6.89	170	0.59	0.81	0.71	0.070	0.32
801706	VS3	V	6.50	6.89	170	0.24	0.41	0.31	0.060	0.26
801800	VS1	S	6.89	7.29	180	0.35	0.57	0.47	0.070	0.32
801801	VS2	S	6.89	7.29	180	0.59	0.81	0.71	0.070	0.32
801802	VS3	S	6.89	7.29	180	0.24	0.41	0.31	0.060	0.26
801804	VS1	V	6.89	7.29	180	0.35	0.57	0.47	0.070	0.32
801805	VS2	V	6.89	7.29	180	0.59	0.81	0.71	0.070	0.32
801806	VS3	V	6.89	7.29	180	0.24	0.41	0.31	0.060	0.26
801900	VS1	S	7.29	7.68	190	0.35	0.57	0.47	0.070	0.32
801901	VS2	S	7.29	7.68	190	0.59	0.81	0.71	0.070	0.32
801902	VS3	S	7.29	7.68	190	0.24	0.41	0.31	0.060	0.26
801904	VS1	V	7.29	7.68	190	0.35	0.57	0.47	0.070	0.32
801905	VS2	V	7.29	7.68	190	0.59	0.81	0.71	0.070	0.32
801906	VS3	V	7.29	7.68	190	0.24	0.41	0.31	0.060	0.26
801990	VS1	S	7.68	8.27	199	0.35	0.57	0.47	0.070	0.32
801991	VS2	S	7.68	8.27	199	0.59	0.81	0.71	0.070	0.32
801994	VS1	V	7.68	8.27	199	0.35	0.57	0.47	0.070	0.32
801995	VS2	V	7.68	8.27	199	0.59	0.81	0.71	0.070	0.32
802000	VS1	S	7.48	8.27	200	0.56	0.98	0.79	0.160	0.59
802002	VS3	S	7.48	8.27	200	0.24	0.41	0.31	0.060	0.26
802004	VS1	V	7.48	8.27	200	0.56	0.98	0.79	0.160	0.59
802006	VS3	V	7.48	8.27	200	0.24	0.41	0.31	0.060	0.26
802200	VS1	Š	8.27	9.25	220	0.56	0.98	0.79	0.160	0.59
802202	VS3	S	8.27	9.25	220	0.30	0.41	0.73	0.060	0.39
802204	VS3 VS1	V	8.27	9.25	220	0.24	0.41	0.31	0.160	0.20
002204	٧٥١	V	0.27	9.25	220	0.50	0.96	0.79	0.160	0.59
802206	VS3	V	8.27	9.25	220	0.24	0.41	0.31	0.060	0.26
802500	VS1	S	9.25	10.43	250	0.56	0.98	0.79	0.160	0.59
802502	VS3	S	9.25	10.43	250	0.24	0.41	0.31	0.060	0.26
802504	VS1	V	9.25	10.43	250	0.56	0.98	0.79	0.160	0.59
802506	VS3	V	9.25	10.43	250	0.24	0.41	0.31	0.060	0.26

¹⁵⁵

Part Number	Style	Matl		Diameter je* (d1)	Shaft/mm (d1)	Width on Shaft (A)	Overall Width (B)	Fitted Width (B1)	Width Tolerance (+/-)	Height (C)
802750 802752 802754 802756 803000	VS1 VS3 VS1 VS3 VS1	S S V V S	10.43 10.43 10.43 10.43 11.42	11.42 11.42 11.42 11.42 12.20	275 275 275 275 275 300	0.56 0.24 0.56 0.24 0.56	0.98 0.41 0.98 0.41 0.98	0.79 0.31 0.79 0.31 0.79	0.160 0.060 0.160 0.060 0.160	0.59 0.26 0.59 0.26 0.59
803002	VS3	S	11.42	12.20	300	0.22	0.41	0.31	0.060	0.26
803004	VS1	V	11.42	12.20	300	0.56	0.98	0.79	0.160	0.59
803006	VS3	V	11.42	12.20	300	0.24	0.41	0.31	0.060	0.26
803250	VS1	S	12.20	13.19	325	0.56	0.98	0.79	0.160	0.59
803252	VS3	S	12.20	13.19	325	0.24	0.41	0.31	0.060	0.26
803254	VS1	V	12.20	13.19	325	0.56	0.98	0.79	0.160	0.59
803256	VS3	V	12.20	13.19	325	0.24	0.41	0.31	0.060	0.26
803500	VS1	S	13.19	14.37	350	0.56	0.98	0.79	0.160	0.59
803502	VS3	S	13.19	14.37	350	0.24	0.41	0.31	0.060	0.26
803504	VS1	V	13.19	14.37	350	0.56	0.98	0.79	0.160	0.59
803506	VS3	V	13.19	14.37	350	0.24	0.41	0.31	0.060	0.26
803750	VS1	S	14.37	15.35	375	0.56	0.98	0.79	0.160	0.59
803752	VS3	S	14.37	15.35	375	0.24	0.41	0.31	0.060	0.26
803754	VS1	V	14.37	15.35	375	0.56	0.98	0.79	0.160	0.59
803756	VS3	V	14.37	15.35	375	0.24	0.41	0.31	0.060	0.26
804000	VS1	S	15.35	16.93	400	0.56	0.98	0.79	0.160	0.59
804002	VS3	S	15.35	16.93	400	0.24	0.41	0.31	0.060	0.26
804004	VS1	V	15.35	16.93	400	0.56	0.98	0.79	0.160	0.59
804006	VS3	V	15.35	16.93	400	0.24	0.41	0.31	0.060	0.26
804500	VS1	S	16.93	18.90	450	0.56	0.98	0.79	0.160	0.59
804502	VS3	S	16.93	18.90	450	0.24	0.41	0.31	0.060	0.26
804503	VS4	S	17.72	17.91	450	0.56	0.98	0.79	0.160	0.59
804504	VS1	V	16.93	18.90	450	0.56	0.98	0.79	0.160	0.59
804506	VS3	V	16.93	18.90	450	0.24	0.41	0.31	0.060	0.26
805000	VS1	S	18.90	20.87	500	0.56	0.98	0.79	0.160	0.59
805002	VS3	S	18.90	20.87	500	0.24	0.41	0.31	0.060	0.26
805003	VS4	S	19.69	19.88	500	0.56	0.98	0.79	0.160	0.59
805004	VS1	V	18.90	20.87	500	0.56	0.98	0.79	0.160	0.59
805103	VS4	S	2.08	20.28	510	0.56	0.98	0.79	0.160	0.59
805203	VS4	S	20.47	20.67	520	0.56	0.98	0.79	0.160	0.59
805303	VS4	S	20.87	21.06	530	0.56	0.98	0.79	0.160	0.59
805403	VS4	S	21.26	21.46	540	0.56	0.98	0.79	0.160	0.59
805500	VS1	S	20.87	22.86	550	0.56	0.98	0.79	0.160	0.59
805502	VS3	S	20.87	22.83	550	0.24	0.41	0.31	0.060	0.26
805503	VS4	S	21.65	21.85	550	0.56	0.98	0.79	0.160	0.59
805504	VS1	V	20.87	22.83	550	0.56	0.98	0.79	0.160	0.59
805603	VS4	S	22.05	22.24	560	0.56	0.98	0.79	0.160	0.59
805703	VS4	S	22.44	22.64	570	0.56	0.98	0.79	0.160	0.59
805803	VS4	S	22.84	23.03	580	0.56	0.98	0.79	0.160	0.59
805903	VS4	S	23.23	23.62	590	0.56	0.98	0.79	0.160	0.59
806000	VS1	S	22.83	24.80	600	0.56	0.98	0.79	0.160	0.59
806002	VS3	S	22.83	24.80	600	0.24	0.41	0.31	0.060	0.26
806003	VS4	S	23.62	24.02	600	0.56	0.98	0.79	0.160	0.59
806004	VS1	V	22.83	24.80	600	0.56	0.98	0.79	0.160	0.59
806103	VS4	S	24.02	24.41	610	0.56	0.98	0.79	0.160	0.59

Styles VS1, VS3, & VS4

Style VS2

806203 VS4 S 24.41 24.80 620 0.56 0.98 0.79 0.160 0.59 806303 VS4 S 224.80 25.20 630 0.56 0.98 0.79 0.160 0.59 806403 VS4 S 25.20 25.59 640 0.56 0.98 0.79 0.160 0.59 806500 VS1 S 24.80 26.18 650 0.56 0.98 0.79 0.160 0.59 806503 VS4 S 27.50 690 0.56 0.98 0.79 0.160 0.59 806503 VS4 S 27.10 27.50 690 0.56 0.98 0.79 0.160 0.59 806503 VS4 S 22f.18 27.76 700 0.56 0.98 0.79 0.160 0.59 807000 VS1 S 26.18 27.76 700 0.56 0.98 0.79 0.160 <	Part Number	Style	Matl		Diameter je* (d1)	Shaft/mm (d1)	Width on Shaft (A)	Overall Width (B)	Fitted Width (B1)	Width Tolerance (+/-)	Height (C)
806403 VS4 S 25.20 25.59 640 0.56 0.98 0.79 0.160 0.59 806503 VS4 S 22.80 26.18 650 0.56 0.98 0.79 0.160 0.59 806503 VS4 S 25.59 25.98 650 0.56 0.98 0.79 0.160 0.59 806903 VS4 S 27.10 27.50 690 0.56 0.98 0.79 0.160 0.59 807000 VS1 S 26.18 27.76 700 0.56 0.98 0.79 0.160 0.59 807003 VS4 S 27.66 27.95 700 0.56 0.98 0.79 0.160 0.59 807500 VS1 S 27.76 29.33 725 0.56 0.98 0.79 0.160 0.59 807503 VS4 S 29.53 29.84 750 0.56 0.98 0.79 <th< th=""><th>806203</th><th>VS4</th><th>S</th><th>24.41</th><th>24.80</th><th>620</th><th>0.56</th><th>0.98</th><th>0.79</th><th>0.160</th><th>0.59</th></th<>	806203	VS4	S	24.41	24.80	620	0.56	0.98	0.79	0.160	0.59
806500 806503 VS1 VS4 S 24.80 25.59 26.18 25.99 650 650 0.56 0.56 0.98 0.79 0.160 0.59 0.59 0.160 806903 VS4 VS4 S 27.10 27.10 27.50 27.50 690 690 0.56 0.98 0.79 0.160 0.79 0.160 0.59 0.160 0.59 0.59 0.160 807000 807000 VS1 VS4 VS4 VS4 VS1 VS1 S 26.18 27.76 29.33 27.70 700 0.56 0.98 0.79 0.160 0.59 0.79 0.160 0.59 0.160 0.59 0.59 0.160 807500 VS1 VS1 VS4 VS4 VS4 VS4 VS4 VS4 VS4 VS4 VS4 VS4	806303	VS4	S	24.80	25.20	630	0.56	0.98	0.79	0.160	0.59
806503 VS4 S 25.59 25.98 650 0.56 0.98 0.79 0.160 0.59 806903 VS4 S 27.10 27.50 690 0.56 0.98 0.79 0.160 0.59 807000 VS1 S 26.18 27.76 700 0.56 0.98 0.79 0.160 0.59 807003 VS4 S 27.56 27.95 700 0.56 0.98 0.79 0.160 0.59 807500 VS1 S 27.76 29.33 725 0.56 0.98 0.79 0.160 0.59 807503 VS4 S 29.53 29.84 750 0.56 0.98 0.79 0.160 0.59 807503 VS4 S 29.53 29.84 750 0.56 0.98 0.79 0.160 0.59 808000 VS1 S 30.91 32.68 800 0.56 0.98 0.79 <th< th=""><th>806403</th><th>VS4</th><th>S</th><th>25.20</th><th>25.59</th><th>640</th><th>0.56</th><th>0.98</th><th>0.79</th><th>0.160</th><th>0.59</th></th<>	806403	VS4	S	25.20	25.59	640	0.56	0.98	0.79	0.160	0.59
806503 VS4 S 25.59 25.98 650 0.56 0.98 0.79 0.160 0.59 806903 VS4 S 27.10 27.50 690 0.56 0.98 0.79 0.160 0.59 807000 VS1 S 26.18 27.76 700 0.56 0.98 0.79 0.160 0.59 807003 VS4 S 27.56 27.95 700 0.56 0.98 0.79 0.160 0.59 807500 VS1 S 27.76 29.33 725 0.56 0.98 0.79 0.160 0.59 807503 VS4 S 29.53 29.84 750 0.56 0.98 0.79 0.160 0.59 807503 VS4 S 29.53 29.84 750 0.56 0.98 0.79 0.160 0.59 808000 VS1 S 30.91 32.68 800 0.56 0.98 0.79 <th< th=""><th>806500</th><th>VS1</th><th>S</th><th>24.80</th><th>26.18</th><th>650</th><th>0.56</th><th>0.98</th><th>0.79</th><th>0.160</th><th>0.59</th></th<>	806500	VS1	S	24.80	26.18	650	0.56	0.98	0.79	0.160	0.59
807000 VS1 S 26.18 27.76 700 0.56 0.98 0.79 0.160 0.59 807003 VS4 S 27.56 27.95 700 0.56 0.98 0.79 0.160 0.59 807500 VS1 S 27.76 29.33 725 0.56 0.98 0.79 0.160 0.59 807500 VS1 S 29.33 30.91 750 0.56 0.98 0.79 0.160 0.59 807503 VS4 S 29.53 29.84 750 0.56 0.98 0.79 0.160 0.59 807803 VS4 S 30.40 30.80 780 0.56 0.98 0.79 0.160 0.59 808000 VS1 S 30.91 32.68 800 0.56 0.98 0.79 0.160 0.59 808003 VS4 S 31.18 31.54 800 0.56 0.98 0.79 <th< th=""><th>806503</th><th>VS4</th><th>S</th><th>25.59</th><th>25.98</th><th>650</th><th>0.56</th><th>0.98</th><th>0.79</th><th>0.160</th><th>0.59</th></th<>	806503	VS4	S	25.59	25.98	650	0.56	0.98	0.79	0.160	0.59
807000 VS1 S 26.18 27.76 700 0.56 0.98 0.79 0.160 0.59 807003 VS4 S 27.56 27.95 700 0.56 0.98 0.79 0.160 0.59 807500 VS1 S 27.76 29.33 725 0.56 0.98 0.79 0.160 0.59 807500 VS1 S 29.33 30.91 750 0.56 0.98 0.79 0.160 0.59 807503 VS4 S 29.53 29.84 750 0.56 0.98 0.79 0.160 0.59 807803 VS4 S 30.40 30.80 780 0.56 0.98 0.79 0.160 0.59 808000 VS1 S 30.91 32.68 800 0.56 0.98 0.79 0.160 0.59 808003 VS4 S 31.18 31.54 800 0.56 0.98 0.79 <th< th=""><th>806903</th><th>VS4</th><th>S</th><th>27.10</th><th>27.50</th><th>690</th><th>0.56</th><th>0.98</th><th>0.79</th><th>0.160</th><th>0.59</th></th<>	806903	VS4	S	27.10	27.50	690	0.56	0.98	0.79	0.160	0.59
807003 VS4 S 27.56 27.95 700 0.56 0.98 0.79 0.160 0.59 807250 VS1 S 27.76 29.33 725 0.56 0.98 0.79 0.160 0.59 807500 VS1 S 29.33 30.91 750 0.56 0.98 0.79 0.160 0.59 807503 VS4 S 29.53 29.84 750 0.56 0.98 0.79 0.160 0.59 807803 VS4 S 30.40 30.80 780 0.56 0.98 0.79 0.160 0.59 808000 VS1 S 30.40 30.80 780 0.56 0.98 0.79 0.160 0.59 808003 VS4 S 31.18 31.54 800 0.56 0.98 0.79 0.160 0.59 808203 VS4 S 33.11 33.50 850 0.56 0.98 0.79 <th< th=""><th>807000</th><th>VS1</th><th>S</th><th>26.18</th><th>27.76</th><th>700</th><th></th><th>0.98</th><th>0.79</th><th>0.160</th><th>0.59</th></th<>	807000	VS1	S	26.18	27.76	700		0.98	0.79	0.160	0.59
807250 VS1 S 27.76 29.33 725 0.56 0.98 0.79 0.160 0.59 807500 VS1 S 29.33 30.91 750 0.56 0.98 0.79 0.160 0.59 807503 VS4 S 29.53 29.84 750 0.56 0.98 0.79 0.160 0.59 807803 VS4 S 30.40 30.80 780 0.56 0.98 0.79 0.160 0.59 808000 VS1 S 30.91 32.68 800 0.56 0.98 0.79 0.160 0.59 808003 VS4 S 31.18 31.54 800 0.56 0.98 0.79 0.160 0.59 808203 VS4 S 31.50 33.26 820 0.56 0.98 0.79 0.160 0.59 808500 VS1 S 32.68 34.45 850 0.56 0.98 0.79 <th< th=""><th>807003</th><th></th><th>S</th><th></th><th></th><th></th><th></th><th></th><th></th><th>0.160</th><th></th></th<>	807003		S							0.160	
807500 VS1 S 29.33 30.91 750 0.56 0.98 0.79 0.160 0.59 807503 VS4 S 29.53 29.84 750 0.56 0.98 0.79 0.160 0.59 807803 VS4 S 30.40 30.80 780 0.56 0.98 0.79 0.160 0.59 808000 VS1 S 30.91 32.68 800 0.56 0.98 0.79 0.160 0.59 808003 VS4 S 31.18 31.54 800 0.56 0.98 0.79 0.160 0.59 808203 VS4 S 31.50 33.26 820 0.56 0.98 0.79 0.160 0.59 808500 VS1 S 32.68 34.45 850 0.56 0.98 0.79 0.160 0.59 809503 VS4 S 33.11 33.50 850 0.56 0.98 0.79 <th< th=""><th>807250</th><th>VS1</th><th>S</th><th></th><th></th><th></th><th></th><th></th><th></th><th>0.160</th><th></th></th<>	807250	VS1	S							0.160	
807803 VS4 S 30.40 30.80 780 0.56 0.98 0.79 0.160 0.59 808000 VS1 S 30.91 32.68 800 0.56 0.98 0.79 0.160 0.59 808003 VS4 S 31.18 31.54 800 0.56 0.98 0.79 0.160 0.59 808203 VS4 S 31.50 33.26 820 0.56 0.98 0.79 0.160 0.59 808500 VS1 S 32.68 34.45 850 0.56 0.98 0.79 0.160 0.59 808503 VS4 S 33.11 33.50 850 0.56 0.98 0.79 0.160 0.59 809000 VS1 S 34.45 36.22 900 0.56 0.98 0.79 0.160 0.59 809003 VS4 S 35.12 35.91 900 0.56 0.98 0.79 <th< th=""><th>807500</th><th>VS1</th><th></th><th>29.33</th><th></th><th>750</th><th></th><th>0.98</th><th>0.79</th><th>0.160</th><th></th></th<>	807500	VS1		29.33		750		0.98	0.79	0.160	
807803 VS4 S 30.40 30.80 780 0.56 0.98 0.79 0.160 0.59 808000 VS1 S 30.91 32.68 800 0.56 0.98 0.79 0.160 0.59 808003 VS4 S 31.18 31.54 800 0.56 0.98 0.79 0.160 0.59 808203 VS4 S 31.50 33.26 820 0.56 0.98 0.79 0.160 0.59 808500 VS1 S 32.68 34.45 850 0.56 0.98 0.79 0.160 0.59 808503 VS4 S 33.11 33.50 850 0.56 0.98 0.79 0.160 0.59 809000 VS1 S 34.45 36.22 900 0.56 0.98 0.79 0.160 0.59 809003 VS4 S 35.12 35.91 900 0.56 0.98 0.79 <th< th=""><th>807503</th><th>VS4</th><th>S</th><th>29.53</th><th>29.84</th><th>750</th><th>0.56</th><th>0.98</th><th>0.79</th><th>0.160</th><th>0.59</th></th<>	807503	VS4	S	29.53	29.84	750	0.56	0.98	0.79	0.160	0.59
808000 VS1 S 30.91 32.68 800 0.56 0.98 0.79 0.160 0.59 808003 VS4 S 31.18 31.54 800 0.56 0.98 0.79 0.160 0.59 808203 VS4 S 31.50 33.26 820 0.56 0.98 0.79 0.160 0.59 808500 VS1 S 32.68 34.45 850 0.56 0.98 0.79 0.160 0.59 808503 VS4 S 33.11 33.50 850 0.56 0.98 0.79 0.160 0.59 809000 VS1 S 34.45 36.22 900 0.56 0.98 0.79 0.160 0.59 809003 VS4 S 35.12 35.91 900 0.56 0.98 0.79 0.160 0.59 809500 VS1 S 37.99 39.96 1000 0.56 0.98 0.79 <t< th=""><th></th><th></th><th>S</th><th></th><th></th><th></th><th>0.56</th><th></th><th></th><th></th><th></th></t<>			S				0.56				
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809000 VS1 S 34.45 36.22 900 0.56 0.98 0.79 0.160 0.59 809003 VS4 S 35.12 35.91 900 0.56 0.98 0.79 0.160 0.59 809500 VS1 S 36.22 37.99 950 0.56 0.98 0.79 0.160 0.59 809503 VS4 S 37.17 37.60 950 0.56 0.98 0.79 0.160 0.59 810000 VS1 S 37.99 39.96 1000 0.56 0.98 0.79 0.160 0.59 810003 VS4 S 39.33 39.79 1000 0.56 0.98 0.79 0.160 0.59 810500 VS1 S 39.96 41.93 1050 0.56 0.98 0.79 0.160 0.59 811003 VS4 S 41.10 41.90 1060 0.56 0.98 0.79			Š								
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810003 VS4 S 39.33 39.79 1000 0.56 0.98 0.79 0.160 0.59 810500 VS1 S 39.96 41.93 1050 0.56 0.98 0.79 0.160 0.59 810603 VS4 S 41.10 41.90 1060 0.56 0.98 0.79 0.160 0.59 811000 VS1 S 41.93 43.90 1100 0.56 0.98 0.79 0.160 0.59 811003 VS4 S 42.72 43.50 1100 0.56 0.98 0.79 0.160 0.59 811500 VS1 S 43.90 45.87 1150 0.56 0.98 0.79 0.160 0.59 812000 VS1 S 45.87 47.84 1200 0.56 0.98 0.79 0.160 0.59			Š								
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811003 VS4 S 42.72 43.50 1100 0.56 0.98 0.79 0.160 0.59 811500 VS1 S 43.90 45.87 1150 0.56 0.98 0.79 0.160 0.59 812000 VS1 S 45.87 47.84 1200 0.56 0.98 0.79 0.160 0.59	811000	VS1	S	41 93	43.90	1100	0.56	0.98	0.79	0.160	0.59
811500 VS1 S 43.90 45.87 1150 0.56 0.98 0.79 0.160 0.59 812000 VS1 S 45.87 47.84 1200 0.56 0.98 0.79 0.160 0.59			S								
812000 VS1 S 45.87 47.84 1200 0.56 0.98 0.79 0.160 0.59			S								
812003 VS4 S 46.65 47.44 1200 0.56 0.98 0.79 0.160 0.59			9								
	812003	VS1 VS4	S	46.65	47.44	1200	0.56	0.98	0.79	0.160	0.59

¹⁵⁷

Part Number	Style	Matl		Diameter je* (d1)	Shaft/mm (d1)	Width on Shaft (A)	Overall Width (B)	Fitted Width (B1)	Width Tolerance (+/-)	Height (C)
812500	VS1	S	47.84	50.00	1250	0.56	0.98	0.79	0.160	0.59
813000	VS1	S	50.00	51.97	1300	0.56	0.98	0.79	0.160	0.59
813003	VS4	S	50.98	51.77	1300	0.56	0.98	0.79	0.160	0.59
813500	VS1	S	51.97	53.94	1300	0.56	0.98	0.79	0.160	0.59
813503	VS4	S	52.76	53.74	1350	0.56	0.98	0.79	0.160	0.59
814000	VS1	S	53.94	55.91	1400	0.56	0.98	0.79	0.160	0.59
814003	VS4	S	54.72	55.71	1400	0.56	0.98	0.79	0.160	0.59
814500	VS1	S	55.91	57.87	1450	0.56	0.98	0.79	0.160	0.59
814503	VS4	S	56.69	57.68	1450	0.56	0.98	0.79	0.160	0.59
815000	VS1	S	57.87	59.84	1500	0.56	0.98	0.79	0.160	0.59
815003	VS4	S	58.66	59.65	1500	0.56	0.98	0.79	0.160	0.59
815500	VS1	S	59.84	61.81	1550	0.56	0.98	0.79	0.160	0.59
815503	VS4	S	60.63	61.81	1550	0.56	0.98	0.79	0.160	0.59
816000	VS1	S	61.81	63.78	1600	0.56	0.98	0.79	0.160	0.59
816003	VS4	S	62.99	64.57	1600	0.56	0.98	0.79	0.160	0.59
816500	VS1	S	63.78	65.75	1650	0.56	0.98	0.79	0.160	0.59
816503	VS4	S	64.57	66.14	1650	0.56	0.98	0.79	0.160	0.59
817000	VS1	S	65.75	67.72	1700	0.56	0.98	0.79	0.160	0.59
817003	VS4	S	66.15	67.72	1700	0.56	0.98	0.79	0.160	0.59
817500	VS1	S	67.72	69.69	1750	0.56	0.98	0.79	0.160	0.59
817503	VS4	S	67.72	69.49	1750	0.56	0.98	0.79	0.160	0.59
818000	VS1	Š	69.69	71.65	1800	0.56	0.98	0.79	0.160	0.59
818003	VS4	Š	69.46	71.26	1800	0.56	0.98	0.79	0.160	0.59
818500	VS1	Š	71.65	73.62	1850	0.56	0.98	0.79	0.160	0.59
818503	VS4	S	71.26	73.03	1850	0.56	0.98	0.79	0.160	0.59
819000	VS1	S	73.62	75.59	1900	0.56	0.98	0.79	0.160	0.59
819003	VS4	S	73.03	75.00	1900	0.56	0.98	0.79	0.160	0.59
819500	VS1	S	75.59	77.56	1950	0.56	0.98	0.79	0.160	0.59
819503	VS4	Š	75.00	76.97	1950	0.56	0.98	0.79	0.160	0.59
819990	VS1	S	77.56	79.53	1999	0.56	0.98	0.79	0.160	0.59
820003	VS4	S	76.90	79.10	2000	0.56	0.98	0.79	0.160	0.59

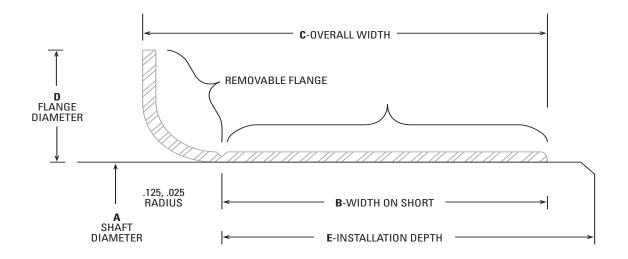
Part Number	Style	Matl	Shaft	Bore	O.D.	Width
370001A	Unitized	S	3.500	4.842	4.848	0.925
370002A	Unitized	S	3.500	5.000	5.006	1.000
370003A	Unitized	S	4.765	6.311	6.318	1.078
370004A	Unitized	S S S S	4.812	6.500	6.507	0.865
370005A	Unitized	S	4.765	6.251	6.265	0.605
370006A	Unitized	S	4.765	6.999	7.006	1.250
370007A	Unitized	S S S S	4.875	6.373	6.379	0.921
370008A	Unitized	S	3.937	5.372	5.378	1.015
370009A	Unitized	S	3.937	5.501	5.507	0.937
370010A	Unitized	S	2.875	4.125	4.130	0.842
370011A	Unitized	S	3.625	5.000	5.014	0.875
370012A	Unitized	S S S	3.625	4.810	4.823	0.921
370013A	Unitized	Š	3.312	5.000	5.006	0.937
370014A	Unitized	S	3.125	4.500	4.506	0.605
370015A	Unitized	S	4.000	5.375	5.381	1.000
370018A	Unitized	9	3.250	4.500	4.506	0.605
370010A 370019A	Unitized	S	4.375	6.251	6.256	0.605
370020A	Unitized	S	4.500	6.000	6.007	0.984
370021A	Unitized	Š	4.500	6.251	6.265	0.610
370022A	Unitized	S S S S	4.500	5.750	5.756	0.960
370023A	Unitized	c	3.875	5.690	5.706	0.875
370023A 370024A	Unitized	9	3.875	5.501	5.515	0.875
370024A 370025A	Unitized	9	4.625	5.999	6.008	0.840
370025A 370026A	Unitized	S S S S	4.635	6.007	6.014	0.937
370020A 370027A	Unitized	9	4.812	6.311	6.316	1.062
010021A	Omized		4.012	0.011	0.010	1.002
370028A	Unitized	S	5.000	6.250	6.256	1.375
370029A	Unitized	S	3.187	5.000	5.006	0.765
370030A	Unitized	S S S	4.265	6.064	6.071	0.605
370031A	Unitized	S	4.250	6.250	6.256	1.188
370033A	Unitized	S	3.875	5.126	5.132	0.605
370034A	Unitized	S	4.375	6.311	6.317	1.090
370036A	Unitized	Š	4.000	5.757	5.772	0.930
370037A	Unitized	Š	4.375	5.757	5.763	1.000
370038A	Unitized	S S S	5.000	7.437	7.444	0.605
370039A	Unitized	S	5.500	7.437	7.444	1.000
370043A	Unitized	S	5.500	7.125	7.132	1.187
370045A 370046A	Unitized	9	3.125	4.625	4.631	0.605
370040A 370047A	Unitized	S	3.437	4.755	4.761	0.605
370047A 370048A	Unitized	Š	4.375	5.905	5.911	1.000
370051A	Unitized	S S S S S	4.625	6.622	6.629	1.093
370054A	Unitized	9	2.875	4.175	4.181	0.822
370054A 370057A	Unitized	3	2.875 4.875	4.175 6.437	4.181 6.444	0.822
370057A 370063A	Unitized	9	5.000	6.250	6.256	0.605
370064A	Unitized	S	5.625	7.186	7.194	0.906
370065A	Unitized	S S S S	4.250	6.008	6.022	1.000
370066A	Unitional	<u> </u>	4.000	E 606	5 600	0.605
370066A 370069A	Unitized Unitized	S S S S	5.250	5.626 7.375	5.632 7.386	1.000
*370069A *370077A	Unitized	9	6.000	7.375 7.875	7.386 7.881	0.605
370077A 370078A	Unitized	9	4.500	6.622	6.629	1.093
*370076A *370082A	Unitized	9	7.375	9.054	9.063	1.062
"3/UU87A						

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Part Number	Style	Matl	Shaft	Bore	O.D.	Width
370086A	Unitized	S	4.500	6.310	6.316	1.175
*370087A	Unitized	S S	4.000	5.248	5.254	0.605
370094A	Unitized	S	4.125	5.375	5.381	0.605
370106A	Unitized	S S S	4.166	5.500	5.506	0.605
370107A	Unitized	S	4.250	6.035	6.047	0.915
370109A	Unitized	S	4.875	6.622	6.629	1.000
370119A	Unitized	S	5.640	7.501	7.507	0.605
370120A	Unitized	S	5.500	7.250	7.256	1.187
370121A	Unitized	S S S	4.875	6.500	6.506	1.000
370124A	Unitized	S	4.500	5.375	5.391	0.984
*370127A	Unitized	S	2.752	3.937	3.942	0.565
370131A	Unitized	S	4.500	5.876	5.892	0.984
370132A	Unitized	S S S	3.500	4.543	4.558	0.788
370145A	Unitized	S	3.125	4.174	4.188	0.500
*370149A	Unitized	S	6.625	8.007	8.014	0.605
370150A	Unitized	S	2.875	3.875	3.889	0.500
*370151A	Unitized	S S S S	7.875	10.234	10.242	0.605
*370154A	Unitized	S	5.000	7.000	7.006	1.000
*370155A	Unitized	S	2.740	3.937	3.942	0.565
370165A	Unitized	S	3.875	5.376	5.381	0.985
370166A	Unitized	S	5.000	6.622	6.629	1.093
370169A	Unitized	S	3.500	4.751	4.757	0.605
370173A	Unitized	S S S S S	4.765	6.250	6.257	1.050
370175A	Unitized	S	7.250	8.750	8.758	0.605
370178A	Unitized	S	4.500	5.500	5.515	0.675
370179A	Unitized	S	3.500	4.450	4.456	0.843
370181A	Unitized	S	4.765	5.999	6.006	1.031
370182A	Unitized	S S S	4.375	5.905	5.910	1.000
370191A	Unitized	S	3.312	4.501	4.506	0.605
370192A	Unitized	S	4.500	6.441	6.447	0.937
370195A	Unitized	S	4.875	6.001	6.015	0.625
370198A	Unitized	S	4.040	5.122	5.130	0.945
370199A	Unitized	V	2.359	3.938	3.952	0.575
370211A	Unitized	S	2.948	4.725	4.738	0.526
370212A	Unitized	V	3.539	5.277	5.291	0.604
370215A	Unitized	V	5.000	7.000	7.015	1.130
370216A	Unitized	S	4.625	5.999	6.006	0.890
370219A	Unitized	S	2.250	3.372	3.377	0.475
370220A	Unitized	S	4.724	5.906	5.912	0.590
*370223A	Unitized	S	2.938	3.750	3.765	0.530
*370224A	Unitized	S	4.768	6.999	7.039	0.735
370338A	Unitized	S	4.375	5.757	5.798	0.600
370349A	Unitized	S	4.000	5.757	5.798	0.600
370352A	Unitized	S	2.750	3.779	3.792	0.767
380001A	Unitized	Т	3.500	4.842	4.847	0.910
380003A	Unitized	Т	4.765	6.311	6.318	1.132
380022A	Unitized	Т	4.500	5.750	5.756	0.960
380023A	Unitized	Т	3.875	5.690	5.706	0.770
380025A	Unitized	Т	4.625	5.999	6.005	0.937
380031A	Unitized	T	4.250	6.250	6.256	1.188

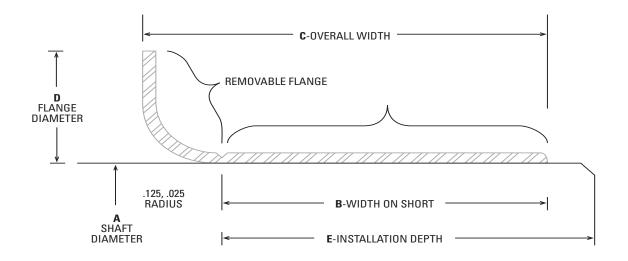
Part Number	Style	Matl	Shaft	Bore	O.D.	Width
380036A	Unitized	Т	4.000	5.757	5.772	0.930
380048A	Unitized	Т	4.375	5.905	5.918	1.015
380065A	Unitized	Т	4.250	6.000	6.008	1.000
380131A	Unitized	Т	4.500	5.876	5.892	0.984

* Check for Availability 161



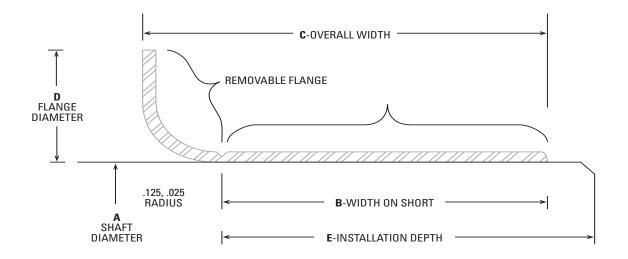
Part Number		eter Range A)	Width on Shaft (B)	Overall Width (C)	Flange Diameter (D)	Installation (E)
KWK88176	1.761	1.767	0.563	0.688	2.063	0.813
KWK88179	1.778	1.784	0.675	0.800	2.125	1.000
KWK88186	1.866	1.872	0.889	1.025	2.187	1.000
KWK88187	1.872	1.878	0.563	0.688	2.203	1.000
KWK88199	1.997	2.003	0.563	0.688	2.406	1.000
KWK88218	2.186	2.192	0.781	0.938	2.500	1.313
KWK88225	2.249	2.255	0.781	0.938	2.531	1.313
KWK88233	2.327	2.333	0.750	0.875	2.750	1.610
KWK99049	0.469	0.475	0.236	0.331	0.787	0.472
KWK99050	0.498	0.502	0.250	0.344	0.610	2.008
KWK99056	0.560	0.566	0.250	0.391	0.750	1.831
KWK99058	0.626	0.630	0.313	0.438	0.718	2.000
KWK99059	0.589	0.593	0.197	0.354	0.750	0.425
KWK99060	0.682	0.686	0.313	0.438	0.900	2.000
KWK99062	0.623	0.627	0.313	0.406	0.813	2.000
KWK99068	0.667	0.671	0.315	0.433	1.063	2.008
KWK99075	0.748	0.752	0.375	0.500	0.900	2.000
KWK99076	0.748	0.752	0.313	0.438	0.938	2.000
KWK99078	0.785	0.789	0.313	0.433	0.999	2.000
KWK99080	0.780	0.784	0.313	0.438	0.935	2.000
KWK99081	0.759	0.761	0.313	0.438	0.938	2.000
KWK99082	0.704	0.709	0.315	0.433	1.063	1.811
KWK99085	0.861	0.866	0.315	0.472	1.058	1.813
KWK99086	0.857	0.861	0.250	0.375	1.155	2.000
KWK99087	0.873	0.877	0.313	0.438	1.093	2.000
KWK99091	0.908	0.912	0.313	0.438	1.218	1.847
KWK99094	0.966	0.970	0.313	0.438	1.130	2.000
KWK99096	0.966	0.970	0.625	0.719	1.130	2.000
KWK99098	0.982	0.986	0.313	0.433	1.378	2.000
KWK99101	0.998	1.002	0.313	0.438	1.219	2.000

Part Number Part Number		01(1.0)		MC III	0		1
KWK99106 1.060 1.064 0.313 0.438 1.320 2.812 KWK99108 1.087 1.091 0.313 0.438 1.406 0.625 KWK99111 1.100 1.104 0.375 0.500 1.375 2.813 KWK99112 1.123 1.127 0.313 0.438 1.400 0.688 KWK98118 1.185 1.190 0.313 0.438 1.400 0.875 KWR98120 1.144 1.158 0.375 0.500 1.575 0.688 KWR9122 1.173 1.173 1.173 0.313 0.438 1.575 0.688 KWK99123 1.267 1.222 0.315 0.438 1.575 0.688 KWK99125 1.247 1.253 0.313 0.448 1.575 0.688 KWK99128 1.267 1.263 0.313 0.438 1.575 0.688 KWK99129 1.208 1.314 0.250 0.375 1.600 0.813	Part Number			Width on Shaft (B)	Overall Width (C)	Flange Diameter (D)	Installation (E)
KWK99108	KWK99103	1.019	1.024	0.313	0.472	1.312	1.813
KWK99111 1.100 1.104 0.375 0.500 1.375 0.688 KWK99114 1.123 1.127 0.313 0.438 1.575 0.688 KWK99114 1.179 1.184 0.315 0.433 1.400 0.688 KWK99128 1.185 1.190 0.313 0.438 1.400 0.875 KWK99120 1.173 1.178 0.313 0.438 1.575 0.688 KWK99123 1.216 1.222 0.315 0.438 1.575 0.688 KWK99123 1.216 1.222 0.315 0.438 1.575 0.688 KWK99128 1.257 1.283 0.315 0.438 1.575 0.688 KWK99128 1.257 1.283 0.313 0.438 1.575 0.688 KWK99129 1.308 1.314 0.250 0.375 1.600 0.688 KWK99129 1.308 0.314 0.250 0.375 1.600 0.813 KWK99133 </th <td>KWK99106</td> <td>1.060</td> <td>1.064</td> <td>0.313</td> <td></td> <td>1.320</td> <td>2.812</td>	KWK99106	1.060	1.064	0.313		1.320	2.812
KWK99112 1.123 1.127 0.313 0.438 1.575 0.688 KWK99114 1.179 1.184 0.315 0.433 1.400 0.688 KWK99120 1.154 1.159 0.313 0.438 1.400 0.875 KWK99122 1.173 1.178 0.313 0.438 1.575 0.688 KWK99123 1.216 1.222 0.313 0.438 1.575 0.688 KWK99125 1.247 1.253 0.313 0.438 1.575 0.688 KWK99128 1.257 1.263 0.315 0.437 1.496 0.709 KWK99129 1.308 1.314 0.250 0.375 1.600 0.813 KWK99131 1.310 1.316 0.500 0.625 1.594 0.813 KWK99134 1.336 1.342 0.500 0.625 1.638 0.813 KWK99138 1.371 1.377 0.500 0.625 1.638 0.813 KWK99139 </th <td></td> <td>1.087</td> <td>1.091</td> <td></td> <td></td> <td></td> <td></td>		1.087	1.091				
KWK99114 1.179 1.184 0.315 0.433 1.400 0.688 KWK99118 1.185 1.190 0.313 0.438 1.400 0.875 KWK99122 1.154 1.158 0.375 0.500 1.350 0.688 KWK99123 1.216 1.222 0.313 0.438 1.575 0.688 KWK99123 1.247 1.253 0.313 0.438 1.575 0.688 KWK99128 1.257 1.283 0.315 0.437 1.496 0.709 KWK99129 1.308 1.314 0.250 0.375 1.600 0.813 KWK99131 1.310 1.316 0.500 0.625 1.594 0.813 KWK99133 1.371 1.377 0.313 0.438 1.638 0.813 KWK99134 1.336 1.342 0.500 0.625 1.638 0.813 KWK99135 1.371 1.377 0.500 0.625 1.638 0.812 KWK99138 </th <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
KWK99118 1.185 1.190 0.313 0.438 1.400 0.875 KWK99120 1.154 1.158 0.375 0.500 1.350 0.688 KWK99123 1.216 1.222 0.313 0.438 1.575 0.688 KWK99125 1.247 1.253 0.313 0.438 1.500 0.688 KWK99128 1.257 1.263 0.315 0.437 1.496 0.709 KWK99129 1.308 1.314 0.250 0.375 1.600 0.813 KWK99131 1.310 1.316 0.500 0.625 1.594 0.813 KWK99133 1.371 1.377 0.313 0.438 1.638 0.813 KWK99138 1.371 1.377 0.500 0.625 1.638 0.813 KWK99138 1.371 1.377 0.500 0.625 1.638 0.813 KWK99138 1.375 1.381 0.512 0.630 1.638 0.812 KWK99149 </th <td>KWK99112</td> <td>1.123</td> <td>1.127</td> <td>0.313</td> <td>0.438</td> <td>1.575</td> <td>0.688</td>	KWK99112	1.123	1.127	0.313	0.438	1.575	0.688
KWK99118 1.185 1.190 0.313 0.438 1.400 0.875 KWK99120 1.154 1.158 0.375 0.500 1.350 0.688 KWK99123 1.216 1.222 0.313 0.438 1.575 0.688 KWK99123 1.216 1.222 0.315 0.438 1.575 0.688 KWK99125 1.247 1.253 0.313 0.438 1.500 0.688 KWK99128 1.257 1.263 0.315 0.437 1.496 0.709 KWK99129 1.308 1.314 0.250 0.375 1.600 0.813 KWK99131 1.310 1.316 0.500 0.625 1.594 0.813 KWK99133 1.371 1.377 0.313 0.438 1.638 0.813 KWK99134 1.336 1.342 0.500 0.625 1.638 0.813 KWK99138 1.371 1.377 0.500 0.625 1.638 0.813 KWK99138 </th <td>KWK99114</td> <td>1.179</td> <td>1.184</td> <td>0.315</td> <td>0.433</td> <td>1.400</td> <td>0.688</td>	KWK99114	1.179	1.184	0.315	0.433	1.400	0.688
KWK99120 1.154 1.158 0.375 0.500 1.350 0.688 KWK99123 1.216 1.222 0.313 0.438 1.575 0.688 KWK99123 1.216 1.222 0.315 0.438 1.575 0.688 KWK99125 1.247 1.253 0.313 0.438 1.500 0.688 KWK99128 1.257 1.263 0.315 0.437 1.496 0.709 KWK99129 1.308 1.314 0.250 0.375 1.600 0.813 KWK99131 1.310 1.316 0.500 0.625 1.594 0.813 KWK99133 1.371 1.377 0.313 0.438 1.638 0.813 KWK99134 1.336 1.342 0.500 0.625 1.638 0.813 KWK99138 1.371 1.377 0.500 0.625 1.638 0.813 KWK99143 1.237 1.243 0.512 0.630 1.638 0.813 KWK99144 </th <td>KWK99118</td> <td></td> <td>1.190</td> <td>0.313</td> <td></td> <td></td> <td></td>	KWK99118		1.190	0.313			
KWK99123 1.216 1.222 0.315 0.438 1.575 0.688 KWK99125 1.247 1.253 0.313 0.438 1.500 0.688 KWK99128 1.257 1.263 0.315 0.437 1.496 0.709 KWK99129 1.308 1.314 0.250 0.375 1.600 0.813 KWK99131 1.310 1.316 0.500 0.625 1.594 0.813 KWK99133 1.371 1.377 0.313 0.438 1.638 0.813 KWK99134 1.336 1.342 0.500 0.625 1.638 0.813 KWK99138 1.371 1.377 0.500 0.625 1.638 0.813 KWK99143 1.375 1.381 0.512 0.630 1.638 0.812 KWK99143 1.432 1.438 0.563 0.688 1.781 1.000 KWK99144 1.435 1.441 0.375 0.500 1.781 1.016 KWK99145 </th <td>KWK99120</td> <td>1.154</td> <td>1.158</td> <td></td> <td>0.500</td> <td>1.350</td> <td>0.688</td>	KWK99120	1.154	1.158		0.500	1.350	0.688
KWK99125 1.247 1.253 0.313 0.438 1.500 0.688 KWK99128 1.257 1.263 0.315 0.437 1.496 0.709 KWK99129 1.308 1.314 0.250 0.375 1.600 0.813 KWK99131 1.310 1.316 0.500 0.625 1.594 0.813 KWK99133 1.371 1.377 0.313 0.438 1.638 0.813 KWK99134 1.336 1.342 0.500 0.625 1.638 0.813 KWK99138 1.371 1.377 0.500 0.625 1.638 0.813 KWK99139 1.375 1.381 0.512 0.630 1.638 0.813 KWK99143 1.422 1.438 0.563 0.688 1.761 1.000 KWK99144 1.432 1.438 0.563 0.688 1.761 1.016 KWK99144 1.435 1.441 0.375 0.500 1.781 1.016 KWK99145 </th <td>KWK99122</td> <td>1.173</td> <td>1.178</td> <td>0.313</td> <td>0.438</td> <td>1.575</td> <td>0.688</td>	KWK99122	1.173	1.178	0.313	0.438	1.575	0.688
KWK99128 1.257 1.263 0.315 0.437 1.496 0.709 KWK99129 1.308 1.314 0.250 0.375 1.600 0.813 KWK99131 1.310 1.316 0.500 0.625 1.594 0.813 KWK99133 1.371 1.377 0.313 0.438 1.638 0.813 KWK99134 1.336 1.342 0.500 0.625 1.638 0.813 KWK99138 1.371 1.377 0.500 0.625 1.638 0.813 KWK99139 1.375 1.381 0.512 0.630 1.638 0.812 KWK99144 1.237 1.243 0.315 0.438 1.540 0.688 KWK99144 1.435 1.441 0.375 0.500 1.781 1.016 KWK99145 1.453 1.441 0.375 0.500 1.781 0.812 KWK99146 1.412 1.417 0.518 0.699 1.689 0.984 KWK99147 </th <td>KWK99123</td> <td>1.216</td> <td>1.222</td> <td>0.315</td> <td>0.438</td> <td>1.575</td> <td>0.688</td>	KWK99123	1.216	1.222	0.315	0.438	1.575	0.688
KWK99128 1.257 1.263 0.315 0.437 1.496 0.709 KWK99129 1.308 1.314 0.250 0.375 1.600 0.813 KWK99131 1.310 1.316 0.500 0.625 1.594 0.813 KWK99133 1.371 1.377 0.313 0.438 1.638 0.813 KWK99134 1.336 1.342 0.500 0.625 1.638 0.813 KWK99138 1.371 1.377 0.500 0.625 1.638 0.813 KWK99139 1.375 1.381 0.512 0.630 1.638 0.812 KWK99141 1.237 1.243 0.315 0.438 1.540 0.688 KWK99143 1.432 1.441 0.375 0.500 1.781 1.000 KWK99144 1.435 1.441 0.375 0.500 1.781 0.812 KWK99145 1.453 1.440 0.375 0.500 1.781 0.812 KWK99146 </th <td>KWK99125</td> <td>1.247</td> <td>1.253</td> <td>0.313</td> <td>0.438</td> <td>1.500</td> <td>0.688</td>	KWK99125	1.247	1.253	0.313	0.438	1.500	0.688
KWK99131 1.310 1.316 0.500 0.625 1.594 0.813 KWK99133 1.371 1.377 0.313 0.438 1.638 0.813 KWK99134 1.336 1.342 0.500 0.625 1.638 0.813 KWK99138 1.371 1.377 0.500 0.625 1.638 0.813 KWK99141 1.237 1.243 0.512 0.630 1.638 0.812 KWK99143 1.432 1.433 0.551 0.438 1.540 0.688 KWK99143 1.435 1.441 0.375 0.500 1.781 1.016 KWK99144 1.435 1.441 0.375 0.500 1.781 1.016 KWK99145 1.453 1.441 0.375 0.500 1.781 1.016 KWK99146 1.412 1.417 0.518 0.669 1.780 0.94 KWK99149 1.497 1.503 0.375 0.500 1.781 1.016 KWK99150 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
KWK99131 1.310 1.316 0.500 0.625 1.594 0.813 KWK99133 1.371 1.377 0.313 0.438 1.638 0.813 KWK99134 1.336 1.342 0.500 0.625 1.638 0.813 KWK99138 1.371 1.377 0.500 0.625 1.638 0.813 KWK99149 1.375 1.381 0.512 0.630 1.638 0.812 KWK99141 1.237 1.243 0.315 0.438 1.540 0.688 KWK99143 1.432 1.433 0.563 0.688 1.781 1.000 KWK99144 1.435 1.441 0.375 0.500 1.781 1.016 KWK99145 1.452 1.441 0.375 0.500 1.781 0.612 KWK99146 1.412 1.417 0.518 0.669 1.780 0.984 KWK99149 1.497 1.503 0.375 0.500 1.781 1.016 KWK99150 </th <td>KWK99129</td> <td>1.308</td> <td>1.314</td> <td>0.250</td> <td>0.375</td> <td>1.600</td> <td>0.813</td>	KWK99129	1.308	1.314	0.250	0.375	1.600	0.813
KWK99134 1.336 1.342 0.500 0.625 1.638 0.813 KWK99138 1.371 1.377 0.500 0.625 1.638 0.813 KWK99149 1.375 1.381 0.512 0.630 1.638 0.812 KWK99141 1.237 1.243 0.315 0.438 1.540 0.688 KWK99143 1.432 1.438 0.563 0.688 1.781 1.000 KWK99144 1.435 1.441 0.375 0.500 1.781 1.016 KWK99145 1.435 1.441 0.375 0.500 1.781 1.016 KWK99146 1.412 1.417 0.518 0.669 1.689 0.984 KWK99147 1.490 1.496 0.512 0.669 1.689 0.984 KWK99150 1.497 1.503 0.375 0.500 1.781 1.016 KWK99150 1.497 1.503 0.375 0.500 1.781 1.016 KWK99150 </th <td>KWK99131</td> <td>1.310</td> <td>1.316</td> <td>0.500</td> <td>0.625</td> <td>1.594</td> <td>0.813</td>	KWK99131	1.310	1.316	0.500	0.625	1.594	0.813
KWK99138 1.371 1.377 0.500 0.625 1.638 0.813 KWK99149 1.375 1.381 0.512 0.630 1.638 0.812 KWK99141 1.237 1.243 0.315 0.438 1.540 0.688 KWK99143 1.432 1.438 0.563 0.688 1.781 1.000 KWK99144 1.435 1.441 0.375 0.500 1.781 1.016 KWK99145 1.453 1.460 0.375 0.500 1.781 0.812 KWK99146 1.412 1.417 0.518 0.669 1.689 0.984 KWK99147 1.490 1.496 0.512 0.669 1.689 0.984 KWK99149 1.497 1.503 0.375 0.500 1.781 1.016 KWK99150 1.497 1.503 0.375 0.500 1.781 1.016 KWK99152 1.520 1.526 0.438 0.563 1.859 1.016 KWK99155 </th <td>KWK99133</td> <td>1.371</td> <td>1.377</td> <td>0.313</td> <td>0.438</td> <td>1.638</td> <td>0.813</td>	KWK99133	1.371	1.377	0.313	0.438	1.638	0.813
KWK99138 1.371 1.377 0.500 0.625 1.638 0.813 KWK99149 1.375 1.381 0.512 0.630 1.638 0.812 KWK99141 1.237 1.243 0.315 0.438 1.540 0.688 KWK99143 1.432 1.438 0.563 0.688 1.781 1.000 KWK99144 1.435 1.441 0.375 0.500 1.781 1.016 KWK99145 1.453 1.460 0.375 0.500 1.781 0.812 KWK99146 1.412 1.417 0.518 0.669 1.689 0.984 KWK99147 1.490 1.496 0.512 0.669 1.689 0.984 KWK99149 1.497 1.503 0.375 0.500 1.781 1.016 KWK99150 1.497 1.503 0.375 0.500 1.781 1.016 KWK99152 1.520 1.526 0.438 0.563 1.859 1.016 KWK99155 </th <td>KWK99134</td> <td>1,336</td> <td>1.342</td> <td>0.500</td> <td>0.625</td> <td>1.638</td> <td>0.813</td>	KWK99134	1,336	1.342	0.500	0.625	1.638	0.813
KWK99139 1.375 1.381 0.512 0.630 1.638 0.812 KWK99141 1.237 1.243 0.315 0.438 1.540 0.688 KWK99143 1.432 1.438 0.563 0.688 1.781 1.000 KWK99144 1.435 1.441 0.375 0.500 1.781 1.016 KWK99145 1.453 1.460 0.375 0.500 1.781 0.812 KWK99146 1.412 1.417 0.518 0.669 1.689 0.984 KWK99147 1.490 1.496 0.512 0.669 1.780 0.984 KWK99150 1.497 1.503 0.375 0.500 1.781 1.016 KWK99152 1.520 1.526 0.438 0.563 1.859 1.016 KWK99155 1.549 1.555 0.438 0.563 1.859 1.000 KWK99166 1.559 1.565 0.563 0.688 1.859 1.000 KWK99167 </th <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
KWK99141 1,237 1,243 0,315 0,438 1,540 0,688 KWK99143 1,432 1,438 0,563 0,688 1,781 1,000 KWK99144 1,435 1,441 0,375 0,500 1,781 1,016 KWK99145 1,453 1,460 0,375 0,500 1,781 0,812 KWK99146 1,412 1,417 0,518 0,669 1,689 0,984 KWK99147 1,490 1,496 0,512 0,669 1,780 0,984 KWK99149 1,497 1,503 0,375 0,500 1,781 1,000 KWK99150 1,497 1,503 0,375 0,500 1,781 1,016 KWK99152 1,520 1,526 0,438 0,563 1,859 1,016 KWK99155 1,549 1,555 0,438 0,563 1,859 1,000 KWK99156 1,559 1,565 0,563 0,688 1,859 1,000 KWK99160 </th <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
KWK99143 1.432 1.438 0.563 0.688 1.781 1.000 KWK99144 1.435 1.441 0.375 0.500 1.781 0.812 KWK99145 1.453 1.460 0.375 0.500 1.781 0.812 KWK99146 1.412 1.417 0.518 0.669 1.689 0.984 KWK99147 1.490 1.496 0.512 0.669 1.780 0.984 KWK99149 1.497 1.503 0.563 0.688 1.781 1.000 KWK99150 1.497 1.503 0.375 0.500 1.781 1.016 KWK99152 1.520 1.526 0.438 0.563 1.859 1.016 KWK99155 1.549 1.555 0.438 0.563 1.859 1.000 KWK99157 1.572 1.578 0.512 0.630 1.859 1.000 KWK99160 1.602 1.608 0.500 0.641 1.938 1.000 KWK99161 </th <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
KWK99145 1.453 1.460 0.375 0.500 1.781 0.812 KWK99146 1.412 1.417 0.518 0.669 1.689 0.984 KWK99147 1.490 1.496 0.512 0.669 1.780 0.984 KWK99149 1.497 1.503 0.563 0.688 1.781 1.000 KWK99150 1.497 1.503 0.375 0.500 1.781 1.016 KWK99152 1.520 1.526 0.438 0.563 1.859 1.016 KWK99155 1.549 1.555 0.438 0.563 1.859 1.000 KWK99156 1.559 1.565 0.563 0.688 1.859 1.000 KWK99157 1.572 1.578 0.512 0.630 1.850 1.023 KWK99160 1.602 1.608 0.500 0.641 1.938 1.000 KWK99161 1.622 1.628 0.313 0.438 1.875 1.016 KWK99162 </th <td>KWK99143</td> <td>1.432</td> <td>1.438</td> <td></td> <td></td> <td></td> <td>1.000</td>	KWK99143	1.432	1.438				1.000
KWK99145 1.453 1.460 0.375 0.500 1.781 0.812 KWK99146 1.412 1.417 0.518 0.669 1.689 0.984 KWK99147 1.490 1.496 0.512 0.669 1.780 0.984 KWK99149 1.497 1.503 0.563 0.688 1.781 1.000 KWK99150 1.497 1.503 0.375 0.500 1.781 1.016 KWK99152 1.520 1.526 0.438 0.563 1.859 1.016 KWK99155 1.549 1.555 0.438 0.563 1.859 1.000 KWK99156 1.559 1.565 0.563 0.688 1.859 1.000 KWK99157 1.572 1.578 0.512 0.630 1.850 1.023 KWK99160 1.602 1.608 0.500 0.641 1.938 1.000 KWK99161 1.622 1.628 0.313 0.438 1.875 1.016 KWK99162 </th <td>KWK99144</td> <td>1 435</td> <td>1 441</td> <td>0.375</td> <td>0.500</td> <td>1 781</td> <td>1 016</td>	KWK99144	1 435	1 441	0.375	0.500	1 781	1 016
KWK99146 1.412 1.417 0.518 0.669 1.689 0.984 KWK99147 1.490 1.496 0.512 0.669 1.780 0.984 KWK99149 1.497 1.503 0.563 0.688 1.781 1.000 KWK99150 1.497 1.503 0.375 0.500 1.781 1.016 KWK99152 1.520 1.526 0.438 0.563 1.859 1.016 KWK99155 1.549 1.555 0.438 0.563 1.859 1.000 KWK99156 1.559 1.565 0.563 0.688 1.859 1.000 KWK99160 1.602 1.608 0.5012 0.630 1.850 1.023 KWK99160 1.602 1.608 0.500 0.641 1.938 1.000 KWK99161 1.622 1.628 0.313 0.438 1.875 1.016 KWK99166 1.647 1.654 0.445 0.571 2.087 0.827 KWK99169<							
KWK99147 1.490 1.496 0.512 0.669 1.780 0.984 KWK99149 1.497 1.503 0.563 0.688 1.781 1.000 KWK99150 1.497 1.503 0.375 0.500 1.781 1.016 KWK99152 1.520 1.526 0.438 0.563 1.859 1.016 KWK99155 1.549 1.555 0.438 0.563 1.859 1.000 KWK99156 1.559 1.565 0.563 0.688 1.859 1.000 KWK99160 1.602 1.608 0.5012 0.630 1.850 1.023 KWK99161 1.622 1.628 0.313 0.438 1.875 1.016 KWK99162 1.623 1.628 0.563 0.688 1.875 0.813 KWK99166 1.647 1.654 0.445 0.571 2.087 0.827 KWK99168 1.647 1.654 0.563 0.688 1.906 0.875 KWK99170<							
KWK99149 1.497 1.503 0.563 0.688 1.781 1.000 KWK99150 1.497 1.503 0.375 0.500 1.781 1.016 KWK99152 1.520 1.526 0.438 0.563 1.859 1.016 KWK99155 1.549 1.555 0.438 0.563 1.859 1.000 KWK99156 1.559 1.565 0.563 0.688 1.859 1.000 KWK99157 1.572 1.578 0.512 0.630 1.850 1.023 KWK99160 1.602 1.608 0.500 0.641 1.938 1.000 KWK99161 1.622 1.628 0.313 0.438 1.875 1.016 KWK99162 1.623 1.628 0.563 0.688 1.875 0.813 KWK99166 1.647 1.654 0.445 0.571 2.087 0.827 KWK99167 1.685 1.691 0.313 0.438 1.906 0.875 KWK99170 </th <td>KWK99147</td> <td>1.490</td> <td>1.496</td> <td></td> <td>0.669</td> <td></td> <td></td>	KWK99147	1.490	1.496		0.669		
KWK99152 1.520 1.526 0.438 0.563 1.859 1.016 KWK99155 1.549 1.555 0.438 0.563 1.859 1.000 KWK99156 1.559 1.565 0.563 0.688 1.859 1.000 KWK99157 1.572 1.578 0.512 0.630 1.850 1.023 KWK99160 1.602 1.608 0.500 0.641 1.938 1.000 KWK99161 1.622 1.628 0.313 0.438 1.875 1.016 KWK99162 1.623 1.628 0.563 0.688 1.875 0.813 KWK99166 1.647 1.654 0.445 0.571 2.087 0.827 KWK99167 1.685 1.691 0.313 0.438 1.906 0.875 KWK99168 1.647 1.654 0.563 0.688 2.087 0.827 KWK99170 1.736 1.742 0.375 0.500 2.063 0.813 KWK99172 </th <td>KWK99149</td> <td>1.497</td> <td>1.503</td> <td>0.563</td> <td>0.688</td> <td>1.781</td> <td>1.000</td>	KWK99149	1.497	1.503	0.563	0.688	1.781	1.000
KWK99152 1.520 1.526 0.438 0.563 1.859 1.016 KWK99155 1.549 1.555 0.438 0.563 1.859 1.000 KWK99156 1.559 1.565 0.563 0.688 1.859 1.000 KWK99157 1.572 1.578 0.512 0.630 1.850 1.023 KWK99160 1.602 1.608 0.500 0.641 1.938 1.000 KWK99161 1.622 1.628 0.313 0.438 1.875 1.016 KWK99162 1.623 1.628 0.563 0.688 1.875 0.813 KWK99166 1.647 1.654 0.445 0.571 2.087 0.827 KWK99167 1.685 1.691 0.313 0.438 1.906 0.875 KWK99168 1.647 1.654 0.563 0.688 2.087 0.827 KWK99170 1.736 1.742 0.375 0.500 2.063 0.813 KWK99172 </th <td>KWK99150</td> <td>1.497</td> <td>1.503</td> <td>0.375</td> <td>0.500</td> <td>1.781</td> <td>1.016</td>	KWK99150	1.497	1.503	0.375	0.500	1.781	1.016
KWK99155 1.549 1.555 0.438 0.563 1.859 1.000 KWK99156 1.559 1.565 0.563 0.688 1.859 1.000 KWK99157 1.572 1.578 0.512 0.630 1.850 1.000 KWK99160 1.602 1.608 0.500 0.641 1.938 1.000 KWK99161 1.622 1.628 0.313 0.438 1.875 1.016 KWK99162 1.623 1.628 0.563 0.688 1.875 0.813 KWK99166 1.647 1.654 0.445 0.571 2.087 0.827 KWK99167 1.685 1.691 0.313 0.438 1.906 0.875 KWK99168 1.647 1.654 0.563 0.688 2.087 0.827 KWK99170 1.736 1.742 0.375 0.500 2.063 0.813 KWK99171 1.715 1.721 0.563 0.688 2.031 0.813 KWK99172 </th <td></td> <td>1.520</td> <td></td> <td></td> <td>0.563</td> <td>1.859</td> <td>1.016</td>		1.520			0.563	1.859	1.016
KWK99157 1.572 1.578 0.512 0.630 1.850 1.023 KWK99160 1.602 1.608 0.500 0.641 1.938 1.000 KWK99161 1.622 1.628 0.313 0.438 1.875 1.016 KWK99162 1.623 1.628 0.563 0.688 1.875 0.813 KWK99166 1.647 1.654 0.445 0.571 2.087 0.827 KWK99167 1.685 1.691 0.313 0.438 1.906 0.875 KWK99168 1.684 1.690 0.563 0.688 1.906 0.875 KWK99169 1.647 1.654 0.563 0.688 2.087 0.827 KWK99170 1.736 1.742 0.375 0.500 2.063 0.813 KWK99171 1.715 1.721 0.563 0.688 2.031 0.813 KWK99174 1.747 1.753 0.563 0.688 2.063 0.813 KWK99175 </th <td>KWK99155</td> <td>1.549</td> <td>1.555</td> <td>0.438</td> <td>0.563</td> <td>1.859</td> <td></td>	KWK99155	1.549	1.555	0.438	0.563	1.859	
KWK99160 1.602 1.608 0.500 0.641 1.938 1.000 KWK99161 1.622 1.628 0.313 0.438 1.875 1.016 KWK99162 1.623 1.628 0.563 0.688 1.875 0.813 KWK99166 1.647 1.654 0.445 0.571 2.087 0.827 KWK99167 1.685 1.691 0.313 0.438 1.906 0.875 KWK99168 1.647 1.654 0.563 0.688 2.087 0.827 KWK99170 1.736 1.742 0.375 0.500 2.063 0.813 KWK99171 1.715 1.721 0.563 0.688 2.031 0.813 KWK99172 1.747 1.753 0.375 0.500 2.055 0.813 KWK99174 1.747 1.753 0.563 0.688 2.063 0.813 KWK99175 1.747 1.753 0.750 0.875 2.063 0.813 KWK99176 </th <td>KWK99156</td> <td>1.559</td> <td>1.565</td> <td>0.563</td> <td>0.688</td> <td>1.859</td> <td></td>	KWK99156	1.559	1.565	0.563	0.688	1.859	
KWK99161 1.622 1.628 0.313 0.438 1.875 1.016 KWK99162 1.623 1.628 0.563 0.688 1.875 0.813 KWK99166 1.647 1.654 0.445 0.571 2.087 0.827 KWK99167 1.685 1.691 0.313 0.438 1.906 0.875 KWK99168 1.684 1.690 0.563 0.688 1.906 0.875 KWK99169 1.647 1.654 0.563 0.688 2.087 0.827 KWK99170 1.736 1.742 0.375 0.500 2.063 0.813 KWK99171 1.715 1.721 0.563 0.688 2.031 0.813 KWK99172 1.747 1.753 0.563 0.688 2.063 0.813 KWK99175 1.747 1.753 0.750 0.875 2.063 0.813 KWK99176 1.761 1.767 0.563 0.688 2.063 0.813 KWK99177 </th <td>KWK99157</td> <td>1.572</td> <td>1.578</td> <td>0.512</td> <td>0.630</td> <td>1.850</td> <td>1.023</td>	KWK99157	1.572	1.578	0.512	0.630	1.850	1.023
KWK99161 1.622 1.628 0.313 0.438 1.875 1.016 KWK99162 1.623 1.628 0.563 0.688 1.875 0.813 KWK99166 1.647 1.654 0.445 0.571 2.087 0.827 KWK99167 1.685 1.691 0.313 0.438 1.906 0.875 KWK99168 1.647 1.654 0.563 0.688 1.906 0.875 KWK99169 1.647 1.654 0.563 0.688 2.087 0.827 KWK99170 1.736 1.742 0.375 0.500 2.063 0.813 KWK99171 1.715 1.721 0.563 0.688 2.031 0.813 KWK99172 1.747 1.753 0.375 0.500 2.055 0.813 KWK99175 1.747 1.753 0.750 0.875 2.063 0.813 KWK99176 1.761 1.767 0.563 0.688 2.063 0.813 KWK99177 1.769 1.775 0.551 0.669 2.087 0.812 <td>KWK99160</td> <td>1.602</td> <td>1.608</td> <td>0.500</td> <td>0.641</td> <td>1.938</td> <td>1.000</td>	KWK99160	1.602	1.608	0.500	0.641	1.938	1.000
KWK99162 1.623 1.628 0.563 0.688 1.875 0.813 KWK99166 1.647 1.654 0.445 0.571 2.087 0.827 KWK99167 1.685 1.691 0.313 0.438 1.906 0.875 KWK99168 1.684 1.690 0.563 0.688 1.906 0.875 KWK99169 1.647 1.654 0.563 0.688 2.087 0.827 KWK99170 1.736 1.742 0.375 0.500 2.063 0.813 KWK99171 1.715 1.721 0.563 0.688 2.031 0.813 KWK99172 1.747 1.753 0.375 0.500 2.055 0.813 KWK99175 1.747 1.753 0.750 0.875 2.063 0.813 KWK99176 1.761 1.767 0.563 0.688 2.063 0.813 KWK99177 1.769 1.775 0.551 0.669 2.087 0.812	KWK99161		1.628	0.313	0.438	1.875	1.016
KWK99167 1.685 1.691 0.313 0.438 1.906 0.875 KWK99168 1.684 1.690 0.563 0.688 1.906 0.875 KWK99169 1.647 1.654 0.563 0.688 2.087 0.827 KWK99170 1.736 1.742 0.375 0.500 2.063 0.813 KWK99171 1.715 1.721 0.563 0.688 2.031 0.813 KWK99172 1.747 1.753 0.375 0.500 2.055 0.813 KWK99174 1.747 1.753 0.563 0.688 2.063 0.813 KWK99175 1.747 1.753 0.750 0.875 2.063 0.813 KWK99176 1.761 1.767 0.563 0.688 2.063 0.813 KWK99177 1.769 1.775 0.551 0.669 2.087 0.812	KWK99162	1.623	1.628	0.563	0.688		0.813
KWK99168 1.684 1.690 0.563 0.688 1.906 0.875 KWK99169 1.647 1.654 0.563 0.688 2.087 0.827 KWK99170 1.736 1.742 0.375 0.500 2.063 0.813 KWK99171 1.715 1.721 0.563 0.688 2.031 0.813 KWK99172 1.747 1.753 0.375 0.500 2.055 0.813 KWK99175 1.747 1.753 0.750 0.875 2.063 0.813 KWK99176 1.761 1.767 0.563 0.688 2.063 0.813 KWK99177 1.769 1.775 0.551 0.669 2.087 0.812		-					
KWK99169 1.647 1.654 0.563 0.688 2.087 0.827 KWK99170 1.736 1.742 0.375 0.500 2.063 0.813 KWK99171 1.715 1.721 0.563 0.688 2.031 0.813 KWK99172 1.747 1.753 0.375 0.500 2.055 0.813 KWK99174 1.747 1.753 0.563 0.688 2.063 0.813 KWK99175 1.747 1.753 0.750 0.875 2.063 0.813 KWK99176 1.761 1.767 0.563 0.688 2.063 0.813 KWK99177 1.769 1.775 0.551 0.669 2.087 0.812	KWK99167	1.685	1.691	0.313	0.438	1.906	0.875
KWK99169 1.647 1.654 0.563 0.688 2.087 0.827 KWK99170 1.736 1.742 0.375 0.500 2.063 0.813 KWK99171 1.715 1.721 0.563 0.688 2.031 0.813 KWK99172 1.747 1.753 0.375 0.500 2.055 0.813 KWK99174 1.747 1.753 0.563 0.688 2.063 0.813 KWK99175 1.747 1.753 0.750 0.875 2.063 0.813 KWK99176 1.761 1.767 0.563 0.688 2.063 0.813 KWK99177 1.769 1.775 0.551 0.669 2.087 0.812	KWK99168	1.684	1.690	0.563	0.688	1.906	0.875
KWK99170 1.736 1.742 0.375 0.500 2.063 0.813 KWK99171 1.715 1.721 0.563 0.688 2.031 0.813 KWK99172 1.747 1.753 0.375 0.500 2.055 0.813 KWK99174 1.747 1.753 0.563 0.688 2.063 0.813 KWK99175 1.747 1.753 0.750 0.875 2.063 0.813 KWK99176 1.761 1.767 0.563 0.688 2.063 0.813 KWK99177 1.769 1.775 0.551 0.669 2.087 0.812							
KWK99172 1.747 1.753 0.375 0.500 2.055 0.813 KWK99174 1.747 1.753 0.563 0.688 2.063 0.813 KWK99175 1.747 1.753 0.750 0.875 2.063 0.813 KWK99176 1.761 1.767 0.563 0.688 2.063 0.813 KWK99177 1.769 1.775 0.551 0.669 2.087 0.812				0.375	0.500	2.063	
KWK99174 1.747 1.753 0.563 0.688 2.063 0.813 KWK99175 1.747 1.753 0.750 0.875 2.063 0.813 KWK99176 1.761 1.767 0.563 0.688 2.063 0.813 KWK99177 1.769 1.775 0.551 0.669 2.087 0.812							
KWK99175 1.747 1.753 0.750 0.875 2.063 0.813 KWK99176 1.761 1.767 0.563 0.688 2.063 0.813 KWK99177 1.769 1.775 0.551 0.669 2.087 0.812	KWK99172	1.747	1.753	0.375	0.500	2.055	0.813
KWK99175 1.747 1.753 0.750 0.875 2.063 0.813 KWK99176 1.761 1.767 0.563 0.688 2.063 0.813 KWK99177 1.769 1.775 0.551 0.669 2.087 0.812	KWK99174	1.747	1.753	0.563	0.688	2.063	0.813
KWK99176 1.761 1.767 0.563 0.688 2.063 0.813 KWK99177 1.769 1.775 0.551 0.669 2.087 0.812	KWK99175	1.747	1.753	0.750	0.875		
			1.767				0.813
KWK99179 1.778 1.784 0.675 0.800 2.125 1.062							
	KWK99179	1.778	1.784	0.675	0.800	2.125	1.062
KWK99180 1.747 1.753 0.531 0.625 2.063 0.875	KWK99180	1.747	1.753	0.531	0.625	2.063	0.875
KWK99181 1.809 1.815 0.563 0.688 2.156 1.000	KWK99181			0.563	0.688	2.156	1.000
KWK99184 1.872 1.878 0.375 0.516 2.203 1.050			1.878	0.375	0.516		
KWK99185 1.857 1.863 0.563 0.688 2.156 1.000							
KWK99186 1.866 1.872 0.889 1.025 2.187 1.000	KWK99186	1.866	1.872	0.889	1.025	2.187	1.000



Part Number		eter Range A)	Width on Shaft (B)	Overall Width (C)	Flange Diameter (D)	Installation (E)
KWK99187	1.872	1.878	0.563	0.688	2.203	1.000
KWK99188	1.872	1.878	0.295	0.415	2.203	0.744
KWK99189	1.887	1.893	0.551	0.668	2.205	0.984
KWK99190	1.872	1.878	0.175	0.295	2.203	0.744
KWK99192	1.909	1.915	0.375	0.500	2.219	1.000
KWK99193	1.934	1.940	0.563	0.688	2.219	1.000
KWK99196	1.965	1.971	0.551	0.688	2.244	0.984
KWK99198	1.977	1.983	0.563	0.704	2.313	1.050
KWK99199	1.997	2.003	0.563	0.688	2.406	1.000
KWK99200	1.997	2.003	0.875	1.000	2.406	1.000
KWK99204	2.041	2.047	0.500	0.625	2.469	1.000
KWK99205	2.057	2.063	0.781	0.938	2.469	1.375
KWK99210	2.123	2.128	0.500	0.750	2.422	1.281
KWK99212	2.124	2.130	0.781	0.938	2.422	1.375
KWK99215	2.162	2.168	0.787	0.905	2.441	1.250
KWK99218	2.186	2.192	0.781	0.938	2.500	1.313
KWK99220	2.197	2.205	0.500	0.625	2.500	1.250
KWK99225	2.249	2.255	0.781	0.938	2.531	1.313
KWK99226	2.237	2.243	0.764	0.900	2.562	1.250
KWK99227	2.249	2.255	0.313	0.438	2.531	1.313
KWK99229	2.227	2.233	0.500	0.625	2.531	1.313
KWK99230	2.227	2.233	0.781	0.906	2.531	1.250
KWK99231	2.309	2.315	0.781	0.938	2.688	1.600
KWK99233	2.327	2.333	0.750	0.875	2.750	1.610
KWK99235	2.359	2.365	0.787	0.905	2.785	1.375
KWK99236	2.369	2.375	0.781	0.938	2.750	1.375
KWK99237	2.374	2.380	0.781	0.938	2.734	1.375
KWK99238	2.372	2.378	0.594	0.750	2.750	1.375
KWK99240	2.374	2.380	0.526	0.683	2.750	1.375
KWK99241	2.359	2.365	0.370	0.449	2.783	1.472

Part Number		eter Range A)	Width on Shaft (B)	Overall Width (C)	Flange Diameter (D)	Installation (E)
KWK99242	2.435	2.441	0.500	0.626	2.827	1.417
KWK99243	2.434	2.440	0.781	0.938	2.828	1.375
KWK99248	2.500	2.506	0.500	0.656	2.828	1.375
KWK99249	2.489	2.495	0.781	0.938	2.875	1.393
KWK99250	2.500	2.506	0.781	0.938	2.828	1.375
KWK99251	2.510	2.516	0.781	0.906	2.828	1.438
KWK99253	2.497	2.503	0.555	0.650	2.820	0.890
KWK99254	2.556	2.562	0.787	0.905	2.850	1.378
KWK99256	2.560	2.566	0.781	0.938	2.891	1.375
KWK99259	2.595	2.602	0.781	0.938	2.990	1.250
KWK99260	2.622	2.628	0.500	0.625	3.047	1.375
KWK99261	2.618	2.624	0.781	0.938	3.047	1.375
KWK99262	2.625	2.631	0.781	0.938	3.047	1.375
KWK99264	2.621	2.627	0.781	0.906	3.047	1.375
KWK99267	2.747	2.753	1.438	1.625	3.075	1.625
KWK99268	2.727	2.733	0.781	0.906	3.125	1.313
KWK99269	2.750	2.756	1.125	1.250	3.125	1.250
KWK99270	2.747	2.753	0.781	0.906	3.125	1.250
KWK99272	2.750	2.756	0.406	0.563	3.125	1.250
KWK99273	2.740	2.746	0.781	0.938	3.065	1.250
KWK99274	2.745	2.751	0.781	0.938	3.125	1.250
KWK99275	2.750	2.756	0.781	0.938	3.125	1.250
KWK99276	2.753	2.759	0.787	0.945	3.125	1.250
KWK99281	2.809	2.815	0.594	0.688	3.188	1.250
KWK99282	2.838	2.844	0.500	0.656	3.225	1.250
KWK99286	2.866	2.872	0.781	0.938	3.188	1.250
KWK99287	2.873	2.879	0.781	0.938	3.219	1.250
KWK99289	2.950	2.956	0.594	0.689	3.272	1.102
KWK99290	2.937	2.943	0.500	0.641	3.344	1.331
KWK99291	2.990	2.996	0.484	0.625	3.359	1.331
KWK99292	2.972	2.976	0.813	-	-	-
KWK99293	2.937	2.943	0.781	0.938	3.344	1.250
KWK99294	2.950	2.956	0.866	1.024	3.305	1.312
KWK99296	2.997	3.003	0.813	0.938	3.240	1.375
KWK99298	2.990	2.996	0.563	0.688	3.359	1.375
KWK99299	2.990	2.996	0.813	1.000	3.359	1.250
KWK99300	3.000	3.006	0.813	1.000	3.453	1.250
KWK99301	3.008	3.014	0.500	0.625	3.355	2.000
KWK99303	3.000	3.006	0.625	0.813	3.345	1.063
KWK99307	3.124	3.132	0.551	0.709	3.525	2.031
KWK99311	3.120	3.126	0.688	0.813	3.531	2.000
KWK99312	3.120	3.126	0.813	1.000	3.531	2.000
KWK99313	3.142	3.150	0.750	0.886	3.540	1.375
KWK99315 KWK99317	3.146 3.146	3.153 3.153	0.827 0.433	0.945 0.590	3.543 3.543	1.375 1.378
KWK99322	3.247	3.253	0.813	1.000	3.594	1.375
KWK99323	3.248	3.254	0.600	0.725	3.585	1.375
KWK99324	3.250	3.256	0.595	0.719	3.594	1.375
KWK99325	3.250	3.256	0.813	1.000	3.594	1.375
KWK99326	3.250	3.256	0.688	0.875	3.585	1.250



Part Number		eter Range A)	Width on Shaft (B)	Overall Width (C)	Flange Diameter (D)	Installation (E)
KWK99328	3.225	3.231	0.661	0.850	3.587	1.732
KWK99331	3.307	3.313	0.813	1.000	3.688	1.375
KWK99333	3.337	3.346	0.827	0.984	3.700	1.378
KWK99334	3.338	3.346	0.827	0.984	3.697	1.433
KWK99337	3.373	3.379	0.813	1.000	3.688	1.375
KWK99338	3.373	3.379	0.375	0.500	3.688	1.410
KWK99339	3.435	3.441	0.781	0.906	3.844	1.406
KWK99340	3.477	3.483	0.781	0.906	3.835	1.406
KWK99347	3.500	3.506	0.315	0.500	3.827	1.339
KWK99349	3.501	3.507	0.626	0.811	3.842	1.339
KWK99350	3.500	3.506	0.813	1.000	3.844	1.375
KWK99351	3.540	3.546	0.710	0.906	4.000	1.813
KWK99353	3.540	3.546	0.528	0.665	4.000	1.732
KWK99354	3.540	3.546	0.906	1.102	4.000	1.750
KWK99356	3.560	3.566	0.813	1.000	3.900	1.750
KWK99359	3.685	3.691	0.813	0.938	4.025	1.750
KWK99360	3.618	3.624	0.811	1.000	4.031	1.732
KWK99362	3.623	3.629	0.813	1.000	4.031	1.750
KWK99363	3.623	3.629	0.500	0.625	4.025	1.750
KWK99364	3.740	3.746	0.469	0.594	4.035	1.750
KWK99365	3.685	3.691	0.813	0.938	4.025	1.750
KWK99367	3.750	3.756	0.344	0.500	4.031	1.750
KWK99368	3.684	3.690	0.313	0.438	3.830	0.375
KWK99369	3.737	3.743	0.827	0.945	4.025	1.750
KWK99372	3.750	3.756	0.688	0.875	4.031	1.875
KWK99374	3.740	3.746	0.344	0.500	4.031	1.750
KWK99376	3.746	3.752	0.563	0.688	4.025	1.750
KWK99387	3.873	3.879	0.813	1.000	4.219	1.875
KWK99393	3.935	3.941	0.813	1.000	4.313	1.340
KWK99395	3.998	4.006	0.600	0.725		2.050

Part Number	Shaft Diam		Width on Shaft (B)	Overall Width (C)	Flange Diameter	Installation
	(/				(D)	(E)
KWK99399	3.998	4.006	0.813	1.000	4.375	1.250
KWK99400	3.998	4.006	0.650	0.775	4.375	1.375
KWK99401	3.998	4.006	0.500	0.625	4.375	2.066
KWK99412	4.122	4.130	0.813	1.000	4.420	1.375
KWK99413	4.130	4.138	0.787	0.906	4.470	1.378
KWK99418	4.183	4.191	0.813	1.000	4.500	1.375
KWK99423	4.226	4.234	0.781	0.906	4.610	1.438
KWK99424	4.248	4.256	0.813	1.000	4.813	1.375
KWK99435	4.327	4.335	0.509	0.650	4.921	1.250
KWK99437	4.370	4.378	0.813	1.000	4.750	1.650
KWK99439	4.434	4.442	1.000	1.142	4.813	1.313
KWK99450	4.496	4.504	0.813	1.000	5.000	1.375
KWK99452	4.523	4.531	0.813	0.938	5.000	1.250
KWK99463	4.621	4.629	1.000	1.250	5.063	1.375
KWK99465	4.621	4.629	0.438	0.625	5.000	1.375
KWK99468	4.685	4.693	0.812	1.000	5.062	1.375
KWK99472	4.801	4.807	0.787	0.945	5.177	1.260
KWK99473	4.720	4.728	0.787	0.984	5.110	1.260
KWK99475	4.746	4.754	0.500	0.750	5.250	1.500
KWK99487	4.871	4.879	0.625	0.752	5.252	1.457
KWK99490	4.917	4.925	0.394	0.551	5.402	1.457
KWK99491	5.117	5.125	0.866	0.996	5.942	1.299
KWK99492	4.917	4.925	1.024	1.260	5.400	1.438
KWK99494	5.110	5.118	0.750	0.938	5.493	1.181
KWK99498	4.998	5.006	0.688	0.875	5.400	1.438
KWK99499	4.998	5.006	0.813	1.000	5.406	1.500
KWK99525	5.246	5.254	0.813	1.000	5.560	1.250
KWK99537	5.371	5.379	0.813	1.000	5.875	1.250
KWK99549	5.498	5.506	0.812	1.000	5.938	1.250
KWK99552	5.508	5.516	0.807	1.000	5.945	1.250
KWK99575	5.746	5.754	0.813	1.000	6.180	1.750
KWK99587	5.871	5.879	1.000	1.250	6.188	1.313
KWK99595	5.895	5.905	1.024	1.181	6.260	1.338
KWK99596	5.934	5.942	1.000	1.125	6.375	1.875
KWK99599	5.995	6.003	1.000	1.250	6.375	1.750
KWK99601	5 005	6.002	0.500	0.750	6 260	1 750
KWK99606	5.995 6.092	6.003 6.102	0.500 1.024	0.750 1.181	6.360 6.500	1.750 1.299
KWK99625	6.245	6.255	1.024	1.250	6.625	1.750
KWK99630	6.289	6.299	1.000	1.250	7.000	1.800
KWK99640	6.683	6.693	1.250	1.496	7.188	1.750
KWKOOSEO	6.405	6 505	1,000	1.250	7,000	1 750
KWK99650 KWK99675	6.495 6.745	6.505 6.755	1.000 0.813	1.250	7.000 7.125	1.750 1.750
KWK99700	6.995	7.005	1.000	1.250	7.125 7.500	1.750
KWK99700 KWK99721	7.077	7.005	1.300	1.496	7.500	1.752
KWK99725	7.244	7.254	1.250	1.500	7.760	2.175
KWK99750	7.405	7 505	0.012	1 000	7.875	1 250
KWK99750 KWK99775	7.495 7.745	7.505 7.755	0.813 1.000	1.000 1.313	8.270	1.250 1.875
KWK99775 KWK99787	7.745 7.869	7.755 7.879	1.359	1.500	8.270 8.375	1.750
KWK99797	7.933	7.879 7.943	1.000	1.250	8.375	1.750
KWK99800	7.935 7.995	8.005	1.000	1.250	8.375	1.750
	7.555		1.000	1.200	0.070	1.750

Part Number	Shaft	O.D.	Width	Seal Number	Description
PSK-1	1.250	1.756	-	SR2 (2) SW2 5683 5864	(KIT) ++ ++
5000	1.763	2.416	0.563	** -	**
5001 5008 *5010 5015 5026	1.875 4.642 4.750 3.010 6.000	2.565 5.756 6.006 8.250 6.757	0.563 0.750 0.750 0.571 0.750	- 455053 ** 476621H ** 8369S ** 336665H	Contains * JX847 Wear Sleeve Contains * J1135 Wear Sleeve Contains * G48 Gasket & * JV495 Wear Sleeve & (2) * G523 Gasket Contains * J1141 Wear Sleeve
5028 5033 5039 5045 5065	3.930 4.834 5.991 2.496 3.994	5.381 5.756 6.757 3.758 5.005	0.875 0.710 0.500 0.625 0.625	** 9586 ** 3492 ** 4165V ** 200851% ** 455134H	Contains * JV1511A Wear Sleeve Contains * JX2162 Wear Sleeve Contains * JV2088 Wear Sleeve Contains * JV1582 Wear Sleeve Contains * J1129 Wear Sleeve
5066 5068 5071 5072 5073	2.377 - 1.500 2.625 -	3.505 - 2.570 3.480 -	0.937 - 0.550 0.380 -	** 3894V - ** 200861% - -	Contains * JX1920 Wear Sleeve Seal & Sleeve (Split Seal) Contains * JV933 Wear Sleeve Contains (2) G753 Gasket
5075 5076 5077 5079 *5082	4.500 3.937 4.375 3.110 5.180	6.259 5.678 6.259 5.750 6.507	0.862 0.875 0.843 0.375 0.750	** 9588 ** 9586 ** 9587 ** 7896S ** 456986H	Contains * JV1513 Wear Sleeve Contains * JV1511 Wear Sleeve Contains * JV1512 Wear Sleeve Contains * J2037 Wear Sleeve
5084 5089 5092 5095 5100	3.750 3.937 - 3.438 3.112	4.756 5.509 3.030 4.012 4.633	0.625 0.597 0.325 0.410 0.920	- ** 2155 - - - ** 9583	Contains * JV1511 Wear Sleeve (Split Seal) (Rope Type) Contains * JV1508 Wear Sleeve
5106 5108 5111 5112 5116	- - - -	4.200 - - 4.000	0.222 - - - 0.187	- - - -	Split Seal (Split Seal) (Split Seal) (Split Seal) (Split Seal)
5117 5118 5120 5146 5147	3.438 - 3.125 5.500 2.625	4.313 - 4.130 6.631 3.755	0.188 - 0.625 0.875 0.625	- ** 415566N ** 415487 ** 200919	(Split Seal) (Split Seal) Contains * J1122 Wear Sleeve Contains * JV1463 Wear Sleeve Contains * JV1517 Wear Sleeve
5160 5161 5163 5164	2.250 2.000 2.835 6.875	3.256 3.376 3.425 8.633	0.625 0.625 0.230 0.825	** 412038 ** 410972 - ** 3123 ** 3124	Contains * J1113 Wear Sleeve & * JV1836 Wear Sleeve Contains * J1109 Wear Sleeve & * JV1837 Wear Sleeve
5166 5167 5168 5169 5170	1.250 3.625 1.062 3.250 4.062	2.254 4.756 2.129 4.254 5.506	0.750 0.875 0.625 0.750 0.875	** 410169 ** 475379 ** 413293 ** 476028 ** 415039	Contains * JV1873 Wear Sleeve Contains * JV1874 Wear Sleeve Contains * JV1872 Wear Sleeve Contains * JV1875 Wear Sleeve Contains * JV1473 Wear Sleeve

Part Number	Shaft	O.D.	Width	Seal Number	Description
*5172	2.000	5.880	0.458	** 6959	Contains * K251 Wiper & * G895A Gasket
5175	9.265	11.385	0.990	** 455871V	Contains * JV829 Wear Sleeve
5185	3.125	8.250	0.571	-	Contains * J1109 Wear Sleeve & * JV1837 Wear Sleeve Contains * J1113 Wear Sleeve & * JV1836 Wear Sleeve
5188	2.000	3.376	0.625	** 410972N	
5189	2.250	3.256	0.625	** 412038N	
5199	5.000	6.131	0.875	** 8971H	Contains * JX1831 Wear Sleeve Contains * RP 356 Bushing (Seal & Bushing Kit) Contains * RP 605 Bushing (Seal & Bushing Kit) Contains * RP 605 Bushing (Seal & Bushing Kit)
5200	1.502	2.381	0.940	** 9613S	
5201	1.500	2.378	1.500	** 470059	
5202	1.500	2.378	1.500	** 7692S	
5203	1.689	2.850	2.120	** 7300S	Contains * RP 661 Bushing (Seal & Bushing Kit)
5204	1.376	2.254	1.370	** 7495S	Contains * RP 691 Bushing (Seal & Bushing Kit) Contains RP 717 Bushing (Seal & Bushing Kit) Contains * RP 546 Bushing (Seal & Bushing Kit) Contains * RP 553 Bushing (Seal & Bushing Kit) Contains RP775 Bushing (Seal & Bushing Kit)
5205	1.688	2.687	1.240	** 7038SA	
5206	1.688	2.850	2.120	** 7300S	
5207	1.566	2.515	1.370	** 8935S	
5208	1.887	1.998	1.000	** 9449	
5227 5228 5229	9.375 5.875 4.993	11.383 7.008 6.131	0.825 0.875 0.750	** 3502 ** 3503 ** 456055V ** 416172	Contains * JX1002 Wear Sleeve Contains * J1137 Wear Sleeve
5273	2.991	3.637	0.385	** 100202T	(Tefbnf)
5274	3.740	4.540	0.492	** 100203T	Contains 733215 Gasket (Tefbn
5276	7.369	9.010	0.875	** 415551	Contains * JV1190 Wear Sleeve
5277	3.625	4.256	0.390	** 100204T	(Tefbnf)
5278	3.750	4.506	0.362	** 100205T	(Tefbnf)
5279	3.583	4.375	0.394	** 100052T	Contains 731414 Gasket (Tefbn f)
5287	3.465	4.266	0.437	** 100239T	Contains 732079 Gasket & * 733419 Gasket & 734280 Gasket (Tefbnf) Contains * K259 Wiper Contains * K282 Wiper & (2) * G523 Gasket Contains (2) * G35 Gasket
5290	2.988	3.740	1.165	** -	
5302	1.750	3.376	0.667	** 8398	
5313	3.010	8.250	0.571	** 8369S	
5327	3.500	6.625	0.531	** 6245S	
5329	2.000	4.562	0.562	6465B	Contains (2) G33 Gasket Contains (2) * G34 Gasket Contains * G199 Gasket Contains * G25 Gasket Contains * G736 Gasket
5330	2.000	4.562	0.562	** 6469	
5331	1.562	2.506	0.500	** 450185	
5332	2.187	3.194	0.437	450354	
5336	1.875	2.762	0.500	** 410283	
5346	1.062	1.507	0.250	** 340210	Contains (2) * 666215 'O' Ring & * 666232 'O' Ring & * 666334 'O' Ring Contains * JV1170 Wear Sleeve Contains * J1107 Wear Sleeve Contains * JX825 Wear Sleeve Contains * J1123 Wear Sleeve
5347	3.562	4.630	0.700	** 8480	
5361	1.875	3.130	0.625	** 450310N	
5364	1.766	3.005	0.875	** 451139	
5373	3.250	4.254	0.625	** 416294N	
5376	4.000	5.004	0.625	** 413134N	Contains * J1129 Wear Sleeve
5377	4.750	6.256	0.750	** 415068N	Contains * J1135 Wear Sleeve
5381	3.250	5.004	0.625	** 415025	Contains * J1123 Wear Sleeve
5382	3.250	4.254	0.625	** 415613	Contains * J1123 Wear Sleeve
5383	5.625	6.632	1.000	455447	Contains * J1355 Wear Sleeve
5384 5388 5390 5397	2.531 1.875 - 2.121	6.125 2.690 6.600 3.350	0.500 0.625 0.430 0.500	** 7154S 450360 - ** 9434 ** 482435	Contains & G41 Gasket Contains * J1107 Wear Sleeve Contains (2) * G214 Gasket & (2) * G594 Gasket

Part Number	Shaft	O.D.	Width	Seal Number	Description
					·
5399 5401	2.812 2.500	4.504 6.125	1.000 0.435	** 415356 ** 7512S	Contains * JV1427 Wear Sleeve Contains (2) * G41 Gasket & * G43 Gasket & * JV1304 Wear Sleeve
5403	2.860	6.562	0.571	** 6479	Contains J493 Wear Sleeve
5405	3.125	7.500	0.625	** 6480	Contains * G49 Gasket & * K282 Wiper
5406	2.562	8.250	1.003	** 6481N	Contains * G40 Gasket & * K282 Wiper
	2.502	0.200	1.000	040111	Contains 440 dasher & 11202 Wiper
5408	3.124	8.250	0.518	** 6477S	Contains (2) * G40 Gasket & * G42 Gasket & * J873 Wear Sleeve
5410	3.125	8.125	0.571	** 6505S	Contains * G48 Gasket & (2) * G54 Gasket & * JV495 Wear Sleeve
5414	-	5.625	0.430	-	Contains (2) * G129 Gasket & * G130 Gasket & * G131 Gasket Contains (2) * G137 Gasket
5419 5422	- 5.187	6.906 6.513	0.440 1.380	- ** 327984	Contains (2) G137 Gasker Contains * JF2280 Wear Sleeve
J422	5.107	0.515	1.500	327904	Contains of 2200 Wear Sieeve
5424	5.179	6.513	1.380	** 327984	Contains * JF2280 Wear Sleeve
5436	6.500	8.007	0.750	914414	Contains JG2361 Wear Sleeve
5441	6.500	8.007	0.750	914411	Contains JL2361 Wear Sleeve
5443	6.500	8.007	1.000	914413	Contains JG2345 Wear Sleeve
5452	3.000	8.250	0.531	6764S	Contains * G48 Gasket & * G167 Gasket & * J495 Wear Sleeve
5453	3.625	4.879	0.585	** 485497	Contains * 633013 'O' Ring Kit
5458	1.880	2.414	0.250	** 6910S	Contains * 610101 'O' Ring
5460	4.687	5.756	1.562	** 455251H	Contains * JV729 Wear Sleeve
5461	4.687	5.756	1.562	** 75251S	Contains * J729 Wear Sleeve
5462	1.172	1.832	0.422	** 6370N	Contains * J712 Wear Sleeve
5465	3.937	5.506	0.859	** 455037	Contains * JV1362 Wear Sleeve
5471	4.812	6.316	1.250	** 6872S	Contains * JV701 Wear Sleeve
5472	4.812	7.004	1.250	** 7006S	Contains * JV701 Wear Sleeve
5473	4.812	6.505	1.125	** 6873S	Contains * JV701 Wear Sleeve
5475	3.868	5.506	0.921	** 6864S	Contains * J718 Wear Sleeve
5476	_	4.875	0.455	** _	Contains (2) * G211 Gasket
*5479	-	4.862	0.410	_	Contains (2) * G196 Gasket & (2) * G214 Gasket
5481	4.759	6.316	1.250	** 6872S	Contains * JV753 Wear Sleeve
5483	4.759	6.505	1.125	** 6873S	Contains * JV753 Wear Sleeve
5487	2.000	5.880	0.448	-	Contains (2) * G221 Gasket & * K251 Wiper
5488	2.129	2.766	0.250	** 6957	Contains * 610123 'O' Ring
5494	3.010	8.150	0.925	** 6897	Contains (2) * G40 Gasket & * K156 Wiper
5495	4.759	7.004	1.250	** 7006S	Contains * JV753 Wear Sleeve
5499	1.915	2.548	0.250	** 7020	Contains * 610105 'O' Ring
5509	3.119	4.130	0.750	** 255566H	Contains * J1401 Wear Sleeve
5518	3.119	4.756	0.875	_	
*5520	2.432	3.756	0.750	** 415244	Contains * JV1455 Wear Sleeve
5521	2.120	3.505	0.750	** 415093	Contains * JV1456 Wear Sleeve
5526	3.994	5.004	0.718	** 415134	Contains * JV1461 Wear Sleeve
5527	4.743	6.256	0.812	415068	Contains * JV1462 Wear Sleeve
5531	1.812	2.879	0.718	** 410295	Contains * JV1464 Wear Sleeve
5532	3.562	5.256	0.718	** 416670	Contains * JV1469 Wear Sleeve
553Z 5537	4.062	6.000	0.400	** 416673	Contains * JV1473 Wear Sleeve
5538	6.875	8.382	0.750	** 416674	Contains * JV1474 Wear Sleeve
5550	1.438	2.192	0.480	** 9249	Contains * 623017 'O' Ring
*5551	3.500	5.256	0.718	** 416335	Contains * JV1494 Wear Sleeve
5563	3.937	5.506	0.718	** 6864S	Contains * JV1362 Wear Sleeve
5567	2.430	3.031	0.839	-	CONTAINS OF TOOL FREAL CIEBRE
5573	1.915	2.548	0.250	** 7020	Contains * 610145 'O' Ring
5575	4.687	7.635	0.359	** 6701	Contains JV608 Wear Sleeve
55.5			0.500	0.01	33

Part Number	Shaft	O.D.	Width	Seal Number	Description
				Hanibei	
*5576 5578	- 3.125	5.700 4.130	0.415 1.000	- ** 485500N	Contains (2) * G427 Gasket Contains * K179 Wiper
5581	4.000	5.004	0.937	** 7390	Contains * JV943 Wear Sleeve
5584	2.750	3.881	1.000	** 415479N	Contains * K198 Wiper
5588	3.375	4.380	0.812	** 8130	Contains * JV976 Wear Sleeve
5589	2.129	2.766	0.250	** 6957	Contains * 666151 'O' Ring
5591	-	6.240	0.400	-	Contains (2) * G462 Gasket & (2) * G463 Gasket
5592	1.493	2.507	0.700	** 8097	Contains * JV970 Wear Sleeve
5593 5594	3.250 1.875	4.572 4.812	0.750 0.312	** 200870 ** 7105S	Contains * JV980 Wear Sleeve Contains (2) * G196 Gasket & (2) * G456 Gasket
	1.075	4.012	0.012	71000	Contains (2) a 130 dasher a (2) a 430 dasher
5596	<u>-</u>	4.875	0.410	<u>-</u>	Contains (2) * G196 Gasket & (2) * G456 Gasket
5599	1.875	2.627	0.843	** 470455	Contains * J990 Wear Sleeve
5601 5602	2.875 2.375	3.756 3.433	0.625 1.000	** 476023N ** 473274N	Contains * JV1120 Wear Sleeve Contains * JV1802 Wear Sleeve
5603	2.375	4.943	1.000	** 3136N	Contains * JV1802 Wear Sleeve
5604 5609	2.125 3.250	3.072 4.008	0.433 0.866	** 3948 -	Contains * JV2019 Wear Sleeve
5613	6.079	7.336	0.750	** 2628	Contains * K458 Wiper & * J1842 Wear Sleeve
5615	7.908	9.508	0.960	** 3624	
				** 3776S	
5624	5.000	6.131	0.875	** 456557	Contains * JX1831 Wear Sleeve
5625	4.646	5.756	0.625	** 485138	Contains * JX1386 Wear Sleeve
5629	3.000	4.008	0.625	** 457034	Contains * J1121 Wear Sleeve
5632	9.057	10.719	1.000	** 3689	Contains * J1984 Wear Sleeve
*5634	6.204	7.336	0.812	** 3807	Contains * J1825 Wear Sleeve
5637	6.079	7.336	0.600	** 2628	Contains * J1895 Wear Sleeve
5643	4.875	6.006	0.715	** 3782	Contains * J1606 Wear Sleeve
5645 5649	5.998 3.562	6.757 5.125	0.675 0.875	** 4165V ** 9584	Contains * J2051 Wear Sleeve Contains * JV1509 Wear Sleeve
5650	-	5.700	0.415	-	Contains of 1903 Wear Gleeve
5657 5665	3.000	4.008 5.756	0.687 0.750	** 457034 ** 3400V	Contains * JX1747 Wear Sleeve Contains JX1967 Wear Sleeve
5666	4.841 2.340	3.355	0.750	** 3492V ** 3501V	Contains 3X1967 Wear Sleeve Conains * JX1966 Wear Sleeve
5667	3.865	6.102	0.975	** 4269	Contains * J2058 Wear Sleeve
5682	-	-	-	-	
5685	_	_	_	-	
5686	-	-	-	-	(Kit)
5690	-	-	-	-	(Repair Kit)
5694	-	-	-	** 1884 ** 4000	(Kit)
				** 4899	
F00F	0.010	0.00=	0.040	722111	One to in a tOVO When Ole and (VV)
5695	2.010	2.965	0.318	** SK1 ** SK2	Contains *SK3 Wear Sleeve (Kit)
5696	2.047	2.964	0.315	** 1993	(Kit)
-300			3.010	** 4898	
				722110	
5697	1.875	3.150	0.315	4051	Contains * AS232 'O' Ring
5698	2.420	3.558	0.336	4185	Contains * AS043 'O' Ring
5699	1.875	2.808	0.433	4310	Contains * AS232 'O' Ring
5700	- F 000	-	-	** 0.47000	(Kit)
5722	5.000	6.006	0.717	** 947090	Contains * JL2370 Wear Sleeve

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
6 6 7 7 8	16 22 16 22 14	16.28 22.28 16.28 22.28 14.20	7 7 7 7 4	61607XX_ 62207XX_ 71607XX_ 72207XX_ 81404XX_	350 350 320 350 350	S S S S	14 14 14 14 14	25 26 27 28 30	25.22 26.23 27.20 28.23 30.20	7 7 7 6 7	710116_ 142607XX_ 142707XX_ 142806XX_ 143007XX_	320 320 320 350 320	N S S S
8 8 8 8	16 16 18 18	16.20 16.23 18.20 18.20 18.20	6 7 5 7 7	220860_ 81607XX_ 81805XX_ 220818_ 81807XX_	350 350 350 320 320	S S S S	14 14 15 15 15	32 35 20 24 24	32.20 35.22 20.10 24.20 24.23	7 7 5 7 7	143207XX_ 143507XX_ 710346_ 2027_ 152407XX_	320 350 490 350 350	S S S S
8 8 8 9 9	22 22 24 18 18	22.28 22.20 24.28 18.20 18.20	7 7 7 7 7	82207XX_ 82207XX_ 82407XX_ 91807XX_ 220918_	320 320 350 350 350	S S S S	15 15 15 15 15	25 25 25 26 28	25.20 25.25 25.20 26.23 28.20	5 6 7 7 7	152505XX_ 221510_ 152507XX_ 152607XX_ 152807XX_	320 320 350 350 320	S N S S
9 9 9 10 10	22 24 26 19	22.20 24.28 26.28 19.23 19.20	7 7 7 7 7	92207XX_ 92407XX_ 92607XX_ 221040_ 101907XX_	350 350 350 350 350	S S S S	15 15 15 15 15	30 30 32 32 32	30.23 30.23 32.20 32.20 32.22	7 7 7 7 8	221540_ 153007XX_ 153207XX_ 153207XX_ 153208XX_	350 350 350 350 350	S S S S
10 10 10 10 10	22 24 25 26 17	22.28 24.23 25.28 26.23 17.25	7 7 7 7 4	102207XX_ 102407XX_ 102507XX_ 102607XX_ 111704XX_	320 350 320 320 320	S S S S	15 15 15 16 16	35 37 40 22 24	35.23 37.20 40.20 22.20 24.20	7 6 7 4 6	153507XX_ 153706XX_ 154007XX_ 162204XX_ 162406XX_	350 320 320 320 320	S S S S
11 11 11 12 12	22 22 26 19 20	22.28 22.23 26.28 19.20 20.28	7 7 7 5 5	112207XX_ 221122_ 112607XX_ 121905XX_ 122005XX_	350 350 350 320 320	S S S S	16 16 16 16 16	24 25 26 27 28	24.20 25.20 26.20 27.20 28.22	7 5 7 14 7	162407XX_ 162405XX_ 162607XX_ 221607_ 221610_	320 350 320 # 320	S S N N
12 12 12 12 12	22 22 22 24 25	22.25 22.25 22.23 24.23 25.20	7 7 7 7 4.50	122207XX_ 221207_ 221208_ 122407XX_ 12X25045XX_	350 350 350 320 320	S S V S S	16 16 16 16 16	28 28 30 30 32	28.23 28.20 30.23 30.23 32.28	7 7 7 7 7	162807XX_ 162807XX_ 221620_ 163007XX_ 163207XX_	350 350 350 350 320	S S S S
12 12 12 12 12	25 26 28 30 32	25.25 26.20 28.20 30.20 32.20	7 7 7 7	122507XX_ 122607XX_ 122807XX_ 123007XX_ 123207XX_	480 320 350 350 350	S S S S	16 16 16 17 17	35 38 40 25 27	35.23 38.20 40.20 25.15 27.20	7 7 7 5 7	163507XX_ 163807XX_ 164007XX_ 710362_ 172707XX_	350 320 320 490 320	S S S S
12 13 13 13 13	35 22 22 26 28	35.20 22.20 22.20 26.20 28.20	7 6 6 7 7	123507XX_ 710348_ 132206XX_ 132607XX_ 132807XX_	320 320 320 320 320	S S S S	17 17 17 17 17	28 28 30 30 32	28.23 28.22 30.23 30.23 32.22	7 7 7 7	172807XX_ 221710_ 173007XX_ 221720_ 173207XX_	350 350 350 470 350	S S S S
13 14 14 14 14	30 24 24 24 25	30.20 24.23 24.23 24.17 25.23	7 6 7 12.70 5	133007XX_ 221410_ 142407XX_ 2004_ 142505XX_	320 350 350 # 320	S S S S	17 17 17 17 17	32 34 35 35 35	32.23 34.14 35.18 35.23 35.20	7 7.90 7 7 8	221730_ 710251_ 173507XX_ 221735_ 173508XX_	350 470 350 350 350	S N S S

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
17 17 17 17 17	37 38 40 47 47	37.20 38.20 40.23 47.20 47.20	7 7 7 7 8	173707XX_ 173807XX_ 174007XX_ 174707XX_ 174708XX_	320 320 350 350 320	\$ \$ \$ \$	20 20 20 20 20 20	40 40 42 42 47	40.23 40.23 42.25 42.15 47.22	7 10 7 10 7	222050_ 204010XX_ 204207XX_ 204210XX_ 204707XX_	350 350 350 320 350	S S S S
17 17.50 18 18 18	30 27.50 23 28 28	30.23 27.74 23.24 28.22 28.22	7 7 4 6 6	710344_ 710299_ 710297_ 1015_ 1015N_	320 660 340 350 350	S N S S	20 20 20 21 21	47 47 52 35 35	47.22 47.22 52.20 35.20 35.20	7 8.50 7 7 8	222060_ 710342_→ 205207XX_ 213507XX_ 213508XX_	350 320 350 320 320	S S S S
18 18 18 18 18	28 30 30 30 30 32	28.28 30.10 30.23 30.23 32.23	6 6.70 7 8 7	182806XX_ 3816_ 183007XX_ 221820_ 221830_	350 2710 350 320 350	\$ \$ \$ \$	22 22 22 22 22 22	32 32 35 35 36	32.23 32.23 35.23 35.23 36.20	7 7 7 7 7	223207XX_ 222210_ 223507XX_ 222220_ 223607XX_	350 350 350 320 320	S S S S
18 18 18 18 18	32 32 32 34 35	32.23 32.20 32.22 34.24 35.18	7 7 8 7 7	710156_ 183207XX_ 183208XX_ 710412_ 183507XX_	320 350 350 320 320	S S S S	22 22 22 22 22 22	37 38 38 38 40	37.23 38.20 38.20 38.20 40.23	7 7 8 8 7	223707XX_ 223807XX_ 223808XX_ 222238_ 224007XX_	350 350 320 320 350	S S S S
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Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
32 32 32 32 32 32	47 47 47 47 48	47.22 47.23 47.22 47.22 48.24	6 7 8 8 7	710310_→ 324707XX_ 3476_→ 3476S_→ 223240_→	320 350 320 320 400	N S N N	34 35 35 35 35	65 44 45 47 47	65.10 44.15 45.15 47.40 47.40	12 7 7 7 7	710151_ 710383_ 354507XX_ 1172_→ 1172S_→	470 470 350 320 320	S S H H
32 32 32 32 32 32	48 48 48 50 50	48.24 48.20 48.24 50.24 50.14	7 8 10 8 8	710327_→ 324808XX_ 710317_← 223250_→ 710162_	320 350 320 320 480	S S S V	35 35 35 35 35 35	47 47 48 48 48	47.22 47.23 48.24 48.20 48.24	7 7 8 8 10	223510_ 354707XX_ 714436_ 354808XX_ 1108_→	350 350 320 320 320	S S S V
32 32 32 32 32 32	50 50 50 52 52	50.14 50.24 50.23 52.27 52.28	8 8 8 7 7	710164_ 710415_→ 325008XX_ 223255_ 325207XX_	480 320 350 350 350	V S S S S	35 35 35 35 35 35	48 48 48 49 49.50	48.13 48.13 48.13 49.30 49.83	13 13 13 8 10	1215_← 1215N_← 710051_ 710178_ 1940_→	# # 860 # 320	N N S S N
32 32 32 32 32 32	52 52 52 53 54	52.27 52.27 52.28 53.29 54.15	11 11 11 7 9	1167₋ 1167S₋ 223252_← 223253_→ 2008_	320 320 320 320 #	N N N N S	35 35 35 35 35 35	50 50 50 50 50	50.29 50.29 50.20 50.29 50.29	7 7 7 8 8	1980_→ 3771_→ 355007XX_ 223520_ 710329_←	320 350 350 350 320	HHSSH
32 32 32 32 32 32	54 54 56 58 60	54.15 54.23 56.28 58.20 60.20	9 10 10 8 8	2008S_ 325410XX_ 325610XX_ 325808XX_ 326008XX_	# 320 350 320 320	S S S S S	35 35 35 35 35 35	50 50 50 50 50 52	50.34 50.24 50.24 50.29 52.15	8 8 11 11.50 7	713771_→ 355008XX_ 710324_← 710111_← 223535_	350 350 320 # 330	V S S N S
32 32 32 33 33	60 62 72 44 47	60.20 62.20 72.20 44.15 47.22	10 8 8 8 7	326010XX_ 326208XX_ 327208XX_ 710070_ 223340_→	480 320 320 470 320	S S S S	35 35 35 35 35	52 52 52 52 52	52.20 52.27 52.27 52.13 52.35	7 8 8 8	355207XX_ 3655_→ 3655S_→ 4052R_↔ 713655_	350 320 320 # 320	S N N N
33 33 33 33 33	49 50 50 50 52	49.23 50.24 50.25 50.25 52.25	8 7 12 12 6	710236_→ 710328_ 335012XX_ 1168_← 335206XX_	320 350 320 320 320	N S S S	35 35 35 35 35	52 52 52 54 54	52.13 52.25 52.25 54.15 54.20	8 10 10 8 8	355208XX_ 1170_ 1170S_ 710217_ 710331_←	330 320 320 # 320	S S S V
33 33 34 34 34	56 59 44 45 48	56.29 59.28 44.23 45.20 48.24	13 11 8 8 7.50	710132_ 710124_ 223400_ 344508XX_ 710416_	400 400 320 320 350	N N S S	35 35 35 35 35 35	54 54 55 55 55	54.20 54.15 55.27 55.27 55.17	8 9 8 8	355408XX_ 710199_↔ 223540_ 223542_ 473823_	350 # 320 320 470	S N N N
34 34 34 34 34	48 52 53 53 54	48.24 52.28 53.28 53.29 54.28	8 8 8 9	223420_→ 345208XX_ 223440_ 710418_ 710110_↔	320 320 320 320 400	N S N N	35 35 35 35 35 35	55 55 56 56 56	55.10 55.23 56.29 56.29 56.29	8 11 8 8 8	$355508XX_{-}$ $355511XX_{-}$ $2007_{-} ightarrow$ $2007N_{-} ightarrow$ $2007S_{-} ightarrow$	470 320 # # #	\$ \$ \$ \$
34 34 34 34 34	54 55 62 62 63	54.20 55.20 62.28 62.18 63.27	9 9 10 10 9	345409XX_ 345509XX_ 710422_ 346210XX_ 710109_↔	350 320 350 350 400		35 35 35 35 35 35	56 56 56 56 56	56.29 56.29 56.20 56.20 56.29	8 8 8 9 10	710314_← 710315_→ 355608XX_ 710396_↔ 223543_	400 400 350 400 320	N S S S S

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
35 35 35 35 35	56 56 58 58 60	56.29 56.27 58.27 58.28 60.27	10 10 10 10 8	710218_ 355610XX_ 223550_ 355810XX_ 710424_	# 320 450 350 350	V S S S	36 36 37 37 37	65 68 62 50 50.50	65.20 68.28 62.26 50.29 50.70	8 10 9.50 6 6	710057_ 366810XX_ 4989_ 223750_→ 710355_→	480 350 # 320 320	S S S N
35 35 35 35 35	60 60 62 62 62	60.23 60.15 62.28 62.28 62.28	10 12 7 7 9	356010XX_ 710201_ 223552_ 356207XX_ 4901_	350 470 320 350 400	S S S N	37 37 37 37 37	52 52 56 58 62	52.15 52.28 56.29 58.10 62.23	6 8 9 10 10	710149_ 375208XX_ 710259_↔ 710353_→ 710228_	# 350 320 660 400	S S V S S
35 35 35 35 35	62 62 63 64 64	62.28 62.20 63.17 64.13 64.13	9 10 10 8 8	223553_→ 356210XX_ 223554_ 223555_ 356408XX_	400 350 # 470 470	N S S N N	37 38 38 38 38 38	78 50 50 50 50	78.30 50.25 50.25 50.28 50.29	12 6 7 8 8	239134_ 223802_→ 385007XX_ 223800_→ 223801_	# 320 350 320 320	S N S N
35 35 35 35 35	65 65 65 67 68	65.20 65.20 65.28 67.27 68.28	8 10 12 12 9	356508XX_ 356510XX_ 710335_ 1173_ 1140_→	320 320 320 320 320	S S S N	38 38 38 38 38	52 52 52 52 52	52.27 52.15 52.15 52.20 52.27	6 6 6.30 7 7	1196_ 3357_ 710309_ 385207XX_ 1174_	470 2830 # 320 320	S S S S
35 35 35 35 35	68 68 70 72 72	68.16 68.20 70.20 72.29 72.28	9 9 8 10 10	223580_→ 710336_← 357008XX_ 710360_ 357210XX_	400 400 320 350 350	S N S S	38 38 38 38 38	52 52 52 53 53	52.27 52.27 52.25 53.29 53.29	7 7 8.50 7 7	1174S_ 1966_→ 38X52085XX_ 1120_← 1120S_←	320 350 320 320 320	S Y S V
35 35 35 35 35 36	76 76 76 80 44	76.28 76.28 76.28 80.20 44.22	9 9 9 8 5	1136_← 1136S_← 1147_→ 358008XX_ 710252_	300 300 320 320 320	N N S S	38 38 38 38 38	53 54 54 54 55	53.20 54.18 54.28 54.18 55.23	8 7 8 10 7	385308XX_ 385407XX_ 239146_← 385410XX_ 385507XX_	320 480 480 320 350	S S S N
36 36 36 36 36	46 47 47 49 50	46.15 47.20 47.22 49.23 50.08	9 7 7 7 7	710343_ 364707XX_ 223601_ 223602_→ 365007XX_	330 350 350 320 470	S S N S	38 38 38 38 38	55 55 56 57 58	55.27 55.27 56.28 47.00 58.11	9 9 10 7 8	223830_ 223831_→ 385610XX_ 223805_ 385808XX_	350 320 350 250 470	N N S S
36 36 36 36 36	50 50 52 52 54	50.14 50.29 52.20 52.20 54.28	7 8 7 10 7.50	223605_ 710341_← 365207XX_ 223608_← 223610_	470 320 350 320 350	S S S S	38 38 38 38 38	58 58 58 59 60	58.17 58.27 58.27 59.28 60.20	8 10 11 9 8	223840_ 710139_ 1175_ 1038_→ 386008XX_	470 # 320 320 320	S N S N S
36 36 36 36 36	54 55 55 56 58	54.20 55.09 55.09 56.25 58.25	8 6.50 6.50 10 8	365408XX_ 2003_ 2003N_ 365610XX_ 365808XX_	350 470 470 350 470	S S S S	38 38 38 38 38	60 60 62 63 63	60.35 60.27 62.28 63.17 63.17	10 10 7 10 10	386010XX_ 223843_ 386207XX_ 2009_ 2009S_	350 350 350 # #	S S S N
36 36 36 36 36	58 60 60 62 64	58.23 60.20 60.20 62.28 64.16	12 7 8 7 11	365812XX_ 366007XX_ 1965_ 366207XX_ 710152_	350 320 480 320 #	S S V S S	38 38 38 38 38	65 65 65 68 68	65.20 65.27 65.27 68.20 68.20	8 12 12 8 10	386508XX_ 1176_→ 1176S_→ 386808XX_ 386810XX_	320 # # 320 320	S N N S

01	B	0.5	W/: 111	Don't No. of the		Mari	01-1	D	0.5)A/: !!!	David Marcellan		NA - **
38 38 38 38 38	70 72 74 74 74	70.20 72.20 74.20 74.20 74.17	10 10 8 11 11	387010XX_ 387210XX_ 387408XX_ 387411XX_ 1177_	350 350 320 320 320	S S S N N	40 40 40 40 40 40	60 62 62 62 62 62	60.20 62.20 62.25 62.20 62.28	10 7 8 9 11	406010XX_ 406207XX_ 406208XX_ 710131_ 224045_	350 350 320 # 320	S S S S
39 39 39 39	50.40 50.40 52 52 52 52	50.57 50.57 52.15 52.15 52.15	8.50 8.50 6.30 6.30 6.30	1126_ 1126S_ 1205_ 1205N_ 710338_	250 250 470 470 660	S S S S	40 40 40 40 40	62 63 64 64 64	62.25 63.27 64.16 64.16 64.16	11.50 8 12 12 12	406212XX_ 224063_→ 1216_ 1216N_ 710326_	350 320 740 740 660	S N N S
39 39 39 40 40	57 57 59 58.70 56	57.28 57.28 59.28 58.98 56.29	11 15.50 17 9.50 8	$710123_\\710122_\\710118_\\1873_\to\\224025_\to$	400 400 400 350 320	N N S S N	40 40 40 40 40	65 65 66 68 68	65.15 65.28 66.27 68.80 68.25	10 10 8 8 12	224100_ 406510XX_ 224066_ → 406808XX_ 406812XX_	350 350 400 350 350	S S N S
40 40 40 40 40	2.56 50 52 52 52 52	65.00 50.20 52.25 52.25 52.27	9.50 8 6 6	474161_ 405008XX_ 1178_ 1178S_ 224015_→	470 350 320 320 320	S S S S S	40 40 40 40 40	70 72 72 73 74	70.20 72.24 72.35 73.10 74.12	8 7 7 12.50 10	407008XX_ 350572_ 407207XX_ 710284_ 474133_	320 350 350 # 470	S V S N S
40 40 40 40 40	52 52 52 52 52	52.27 52.15 52.15 52.15 52.27	6 7 7 7 7	710308_→ 1217_ 1962_ 224010_ 224052_→	320 350 780 350 320	S N S S H	40 40 40 40 40	75 75 75 75 76	75.16 75.16 75.20 75.29 76.28	12 12 12 12 12 9	$\begin{array}{c} \textbf{2011}_{\rightarrow} \\ \textbf{2011S}_{\rightarrow} \\ \textbf{712011}_ \\ \textbf{712020}_{\leftarrow} \\ \textbf{1036}_{\rightarrow} \end{array}$	400 400 320 320 400	N N S N N
40 40 40 40 40	52 52 52 54 54	52.25 52.20 52.27 54.15 54.15	7 9 15 5.30 5.30	405207XX_ 4175_ 239201_ 1213_ 1213N_	350 # 320 470 470	\$ \$ \$ \$	40 40 40 40 40	76 76 78 78 80	76.28 76.28 78.80 78.20 80.28	9 9 8 10 10	1146_← 1146S_← 407808XX_ 407810XX_ 408010XX_	320 320 320 350 350	N N S S
40 40 40 40 40	54 54 54 54 55	54.15 54.20 54.15 54.28 55.20	5.30 5.50 6 6 6	1213S_ 405406XX_ 710311_ 710444_← 405506XX_	470 470 250 320 350	\$ \$ \$ \$	40 41 41 41 41	90 53 55 55 55	90.20 53.16 55.17 55.17 55.29	8 7 6 6 7	409008XX_ 1950_ 1180_ 1180S_ 415507XX_	350 410 320 320 320	\$ \$ \$ \$
40 40 40 40 40	55 55 55 55 55 55.50	55.17 55.27 55.27 55.28 55.65	8 8 8 8	3392_ 224020_→ 473677_ 405508XX_ 710300_	470 320 470 350 #	S S S S	41 41 41 41 41	56 56 59 62 63	56.25 56.16 59.28 62.23 63.20	7 7 10 9 9	415607XX_ 1181_ 710114_→ 710220_→ 710291_←	350 350 980 320 400	S S N N
40 40 40 40 40	56 56 56 57 58	56.20 56.29 56.29 57.20 58.20	7 8 9 10 8	405607XX_ 712551_ 224026_↔ 405710XX_ 405808XX_	320 320 350 320 350	S S V S S	42 42 42 42 42 42	55 55 55 55 55	55.17 55.17 55.17 55.20 55.27	6 6 6 7 8	224200_ 224200S_ 224210_ 425507XX_ 3051_→	320 320 350 320 330	S S S S H
40 40 40 40 40	58 58 58 60 60	58.17 58.17 58.28 60.15 60.27	9 9 10 8 10	3459₋↔ 3459S₋↔ 405810XX_ 710147_ 224040_	740 740 320 # 350	N N S S	42 42 42 42 42 42	55 55 55 55 55	55.27 55.33 55.28 55.17 55.17	8 8 8 9 9	3051N_→ 224205_→ 425508XX_ 1214_ 1214N_	330 320 350 470 470	H N S S

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
42	56	56.34	7	3774S_→	350	H	44	60	60.27	7	224460_→	350	X
42	56	56.21	7	224220_	490	S	44	60	60.20	10	446010XX_	350	S
42	56	56.29	7	710097_	#	S	44	62	62.26	8	446208XX_↔	320	S
42	56	56.34	7	3774_→	350	H	44	62	62.28	8	224462_	320	S
42	56	56.13	7	425607XX_	320	S	44	62	62.28	10	224464_←	320	N
42	56.20	56.49	6	494117_	490	S	44	65	65.28	10	446510XX_	350	S
42	58	58.10	7	425807XX_	480	S	44	65	65.28	11	224465_→	320	S
42	58	58.17	9	224235_	480	S	44	68	68.28	8	350609_←	350	N
42	58	58.27	9.50	224215_←	320	N	44	70	70.20	8	447008XX_	320	S
42	59	59.16	7.70	710442_→	480	N		72	72.11	10	447210XX_	350	S
42	60	60.27	7	1953_	320	N	44	80	80.29	8.70	710115_↔	980	S
42	60	60.27	7	1953S_	320	N	45	58	58.28	7	455807XX_	350	S
42	60	60.27	7	2025_	320	V	45	59	59.28	8	710193_	320	S
42 42	60 62	60.22 62.28	7 7	426007XX_ 224252_	320 320 320	S S	45 45	60 60	60.20 60.27	7 8	456007XX_ 224520_	350 350	S S
42	62	62.28	7	710408_	320	N	45	60	60.20	8	456008XX_	350	S
42	62	62.27	8	426208XX_	350	S	45	60	60.25	10	456010XX_	350	
42 42 42	62 62 63	62.28 62.10 63.27	10 12 9	$ \begin{array}{l} \textbf{224250}_{\rightarrow} \\ \textbf{710403}_\\ \textbf{710298}_{\rightarrow} \end{array} $	350 # 400	S S N	45 45 45	60 61 62	60.25 61.29 62.15	8 6	2440_ 710260_← 494122_	690 320 490	N S S
42 42	64.10 65	64.39 65.15	6	224254_ 224255_	340 470	S N	45 45	62 62	62.28 62.28	8	1012N₋ 1012S₋	320 350	S
42	65	65.15	10	426510XX_	470	N	45	62	62.15	8	710078_	470	V
42	67	67.20	10	710286_	320	N	45	62	62.30	8	456208XX_	350	S
42	68	68.20	8	426808XX_	320	S	45	64	64.29	9	1938_	#	S
42 42	68 70	62.20 70.20	10 10	426810XX_ 427010XX_	320 320	S	45 45	64 64	64.29 64.29	9	1939_ 1951_	# 870	S
42	72	72.20	8	427208XX_	320	S	45	65	65.15	5	1992 <u> </u>	470	S
42	72	72.27	10	224270_	350	S	45	65	65.28	8		350	S
42	72	72.27	10	427210XX_	320	S	45	67	67.16	8		320	S
42 42	76 80	76.15 80.20	12	710245_→ 428008XX_	# 320	N S	45 45	68 68	68.28 68.28	7 8.50	456807XX_ 224560_	320 320	S
42	80	80.20	10	428010XX_	350	S	45	68	68.28	12	320564_→	320	V
42	90	90.27	9.50	710133_	#	N	45	68	68.20	12	710345_	320	S
42	90	90.27	11.90	710246_	#	N	45	70	70.18	10	457010XX_	320	S
43 43	54 54	54.15 54.15	6.50 7.50	224400_ 334111_	250 330	S S	45 45	72 72	72.29 72.28	7 7	224570_ 457207XX_	350 350	S
43	55	55.27	6	$egin{array}{l} 2012_{ ightarrow} \ 2012S_{ ightarrow} \ 2012V_{ ightarrow} \end{array}$	320	Y	45	72	72.20	10	457210XX_	350	S
43	55	55.27	6		320	Y	45	72	72.25	10	457295XX_	320	S
43	55	55.27	6		320	V	45	72	72.28	12	457212XX_	350	S
43 43	55 55	55.27 55.27	6	710264_→ 1183_	320 340	Y S	45	72.20 75	72.49 75.20	7.50 7	1943_ 457507XX_	440 320	S
43	55	55.20	8	435508XX_	320	S	45	75	75.16	12	$1979_{ ightarrow}$ $710248_{ ightarrow}$ $458010XX_$	470	N
43	58.47	58.62	7.50	710159_	#	S	45	78	78.16	11		660	N
43	60	60.27	9	320583_→	320	S	45	80	80.28	10		350	S
43 43	62 65	62.18 65.20	10	224320_ 436508XX_	470 320	S	45 45	85 85	85.20 85.25	10 13	458510XX_ 458513XX_	350 450	S S
43	70	70.16	9	710142_	#	S	45	98	98.17	10.50	710364_↔	#	N
43	92	92.28	12.50	710208_	#	S	46	2.73	69.40	11	710126_	#	S
44	60	60.20	7	446007XX_	320	S	46	58	58.27	7	224650_→	320	N

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
46 46 46 46 46	60 65 68.50 70 70	60.27 65.20 68.63 70.20 70.10	7 7 7.50 8 8	224660_→ 466507XX_ 710161_ 467008XX_ 710238_→	320 320 2810 320 320	H S S S	49 49 49 49 49	64 70 70 72.20 79	64.29 70.28 70.28 72.49 79.10	6 11 11 6	1936_ 710305_ 710305S_ 710148_ 224979_	# 320 320 970 470	S S S N
47 47 47 47 47	62 64 65 66 68	62.20 64.29 65.20 66.10 68.27	8 6 8 6 10	476208XX_ 1937_ 476508XX_ 710215_ 476810XX_	320 # 320 660 320	\$ \$ \$ \$	49 50 50 50 50	100 2.57 2.62 60 62	100.20 67.00 66.50 60.27 62.18	8 5.50 13 6 7	710374_ 710226_ 474134_ 710192_ 225005_	# 320 470 320 320	S S S S S
47 47 47 47 47	68 70 72 72.20 80	68.27 70.20 72.16 72.49 80.16	10 10 8 6 12.70	1187S_ 477010XX_ 224772_ 710337_ 710150_	320 320 480 340 #	\$ \$ \$ \$	50 50 50 50 50	62 62 64.10 65 65	62.28 62.13 64.39 65.28 65.28	7 9 6.50 8 8	506207XX_ 225008_ 710098_ 710354_→ 506508XX_	350 470 710 320 320	S S S N S
47 48 48 48 48	84 60 62 62 62	84.28 60.15 62.28 62.28 62.28	9.50 9 6 6	710143_ 710356_→ 1188_ 1188S_ 710322_	# 470 340 340 340	\$ \$ \$ \$	50 50 50 50 50	65 65 65 65 67	65.15 65.15 65.15 65.15 67.20	9 9 9 9	1209_ 1209S_ 3743_ 225010_ 710357_	350 350 660 470 470	S S S S
48 48 48 48 48	62 62 62 62 62	62.28 62.28 62.10 62.28 62.28	7 8 8 9 9	224810_ 224820_ 486208XX_ 1956_ 1956S_	320 320 350 # #	N S S S	50 50 50 50 50	67 68 68 68 68	67.29 68.10 68.28 68.28 68.28	11 6.50 8 8 9	1974_ 710194_ 1948_ 506808XX_ 225020_→	970 320 350 350 320	S S S S V
48 48 48 48 48	62 63 64 65 65	62.10 63.09 64.20 65.15 65.28	9 9 10 8.10 9	710320_ 486309XX_ 710167_ 1973_ 224865_	480 470 # 250 320	S S S S	50 50 50 50 50	68 70 70 70 70	68.28 70.10 70.20 70.13 70.20	9 7 8 9	710420_→ 413818_ 507008XX_ 1960_ 507009XX_	320 410 320 470 320	S S S S
48 48 48 48 48	65 65 68 68 68	65.30 65.15 68.27 68.28 68.28	10 24.50 10 11 11	486510XX_ 4528N_ 486810XX_ 224835_→ 224840_→	320 660 320 320 320	S N N N	50 50 50 50 50	70 70 72 72 72	70.20 70.20 72.29 72.28 72.29	10 14 8 8 9	710173_ 710135_ 225030_ 507208XX_ 225035_	# # 350 350 320	N S S S
48 48 48 48 48	70 70 70 70 70	70.20 70.28 70.20 70.28 70.28	8 9 9 9	487008XX_ 1994_ 710255_ 712010_→ 487009XX_	350 320 # 320 350	S S S H S	50 50 50 50 50	72 72 73 75 75	72.20 72.29 73.15 75.20 75.28	10 12 12 7 12	710398_ 225040_→ 450474_ 507507XX_ 507512XX_	# 320 450 320 320	S S S S
48 48 48 48 48	70 72 72 72 72 73	70.28 72.31 72.29 72.29 73.10	12 7 8.50 8.50 7	710313_→ 487207XX_ 224850_ 224872_ 224870_	320 320 350 320 470	S S S S	50 50 50 50 50	80 80 80 82 85	80.29 80.28 80.30 82.18 85.20	8 8 16.50 8 8	225050_ 508008XX_ 710112_↔ 225082_ 508508XX_	350 350 # # 320	S S N S
48 48 48 48 49	74 75 80 90 62	74.27 75.20 80.20 90.20 62.15	10 10 8 10 8.50	224874_ 487510XX_ 488008XX_ 489010XX_ 4904_	320 320 320 350 660	\$ \$ \$ \$ \$	50 50 50 51 51	86 90 90 77.50 62	86.30 90.20 90.28 77.65 62.13	13 8 10 14 7	710117_ 509008XX_ 509010XX_ 1941_ 710407_	400 320 350 470 330	N S S S

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
51 51 51 51 51 52	63 63 65 65 62	63.17 63.17 65.15 65.10 62.28	6 6 7 7 5.50	494123_ 710323_ 225110_ 516507XX_ 710253_	490 490 470 470 #	S S S S S	55 55 55 55 55	68 70 70 70 72	68.28 70.27 70.13 70.13 72.25	8 8 9 9	225500_ 557008XX_ 3723_ 225505_ 557208XX_	320 350 660 320 350	S S S S S
52 52 52 52 52 52	63 63 65 65 65	63.23 63.23 65.30 65.15 65.28	8 8 9 9	1975_ 1975S_ 526509XX_ 1955_ 225208_	320 320 350 350 320	S S S S	55 55 55 55 55	72 72 74 74 75	72.24 72.29 74.17 74.17 75.20	8 10 6 6 7	225530_ 225535_ 1207_ 1207N_ 55X1007X_	350 320 490 490 320	S S S S
52 52 52 52 52 52	66 66 67 68 68	66.12 66.27 67.29 68.15 68.15	7.50 9 7 6.50 6.50	4898_ 225210_ 1883_ 225220_ 710292_	660 350 320 350 #	S N S S S	55 55 55 55 55	75 75 75 78 80	75.20 75.35 75.24 78.28 80.28	8 10 10 10 8	557508XX_ 557510XX_ 225545_ 557810XX_ 558008XX_	350 350 350 350 350	S S S S
52 52 52 52 52 52	68 68 68 68	68.15 68.15 68.28 68.28 68.15	7.50 7.50 7.60 8 8	1884_ 710064_ 4990_ 526808XX_ 710190_	320 # 2810 350 480	S S S V	55 55 55 55 55	82 82 85 88 90	82.17 82.30 85.31 88.20 90.28	10 12 10 8 13	1958_ 558212XX_ 558510XX_ 558808XX_↔ 559013XX_	350 350 350 320 350	S S S S
52 52 52 52 52 52	68 69 70 70 70	68.20 69.28 70.20 70.16 70.28	13 10 8 8 8.50	710312_ 526910XX_ 527008XX_ 225225_ 710187_→	320 350 320 470 320	S S S N	55 56 56 56 56	100 66 68 68 68	100.30 66.20 68.15 68.15 68.12	12.70 17 4.50 4.50 10	55X10013X_ 710382_ 1932_ 1932S_ 566810XX_	450 # 490 490 480	S S S N
52 52 52 52 52 52	72 72 72 72 72 75	72.29 72.29 72.20 72.29 75.11	7.50 7.70 8 8 7.50	225540_ 225230_ 527208XX_ 710242_→ 225275_	320 350 350 320 660	S S S N S	56 56 56 56 56	70 72 72 72 72 72	70.20 72.20 72.14 72.16 72.40	8 7 9 10.90 11.50	567008XX_ 567207XX_ 225650_ 710069_ 56X72115XX_	350 320 320 # 350	S S S S S
52 52 52 52 52 52	75 78 78.40 80 82	75.28 78.28 78.49 80.28 82.20	12 9 9.80 10 8	527512XX_ 225278_ 710107_ 528010XX_↔ 528208XX_	350 350 # 320 320	S N S S	56 56 56 56 56	72 73 73 74 74.20	72.27 73.15 73.15 74.17 74.37	7.50 7.50 8.50	225227_ 1993_ 225673_ 710176_ 710125_	# 470 # 870 #	S S S S
52 53 54 54 54	85 2.69 65 65 66	85.20 68.20 65.20 65.15 66.17	8 7 8 13 7.50	528507XX_ 710175_ 546508XX_ 2002_ 225410_	320 320 320 470 #	S S S S	56 56 56 56 56	75 75 75 76 78	75.13 75.33 75.20 76.15 78.28	6.60 7 7 4.90 7.50	4899_ 225775_ 567507XX_ 710108_ 225678_	660 # 320 660 #	S S S S
54 54 54 54 54	69 72 72 73 75.50	69.23 72.25 72.25 73.20 75.78	7.50 10 10 8 18	710239_ 225420_ 547210XX_ 547308XX_ 710073_	400 320 320 320 #	N S S S	56 56 56 56 56	80 82 85 88 90	80.28 82.20 85.28 88.20 90.20	8 8 8 8	568008XX_ 568208XX_ 568508XX_ 568808XX_ 569008XX_	320 320 350 320 320	S S S S
54 54 54 55 55	82 82 85 68 68	82.30 82.35 85.28 68.15 68.28	8 10 10 6.50 8	225450_ 548210XX_ 548510XX_ 710127_ 556808XX_	320 320 320 # 320	S S S S S	57 57 57 57 57	67 72 77 79 79	67.29 72.14 77.20 79.25 79.25		1984_ 1964_ 710129_ 710072_ 710074_	250 470 # # #	S S S S

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Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
57	81	81.18	8	1928_	470	S	63	85	85.28	10	638510XX_	320	S
57 58	85 72	85.20 72.28	13 8	578513XX_ 587208XX_	320 350	S S	63 63	90 90	90.17 90.14	7 10	1935_ 639010XX_	470 320	S S
58	74	74.27	10	710271 <u></u> ←	320	S	64	77	77.20	8	710130_	#	S
58	74	74.12	13	225874_	1010	N	64	80	80.21	8	226480 _→	330	Н
58	75	75.29	9	225875_	320	S	64	80	80.28	8	648008XX_	320	S
58	75 75	75.16	9	710400 ₋	470	S	65	80	80.28	8	658008XX_	320	S
58 58	75 76	75.28 76.23	11 7.80	587511XX_ 710230_	350 #	S S	65 65	81 82	81.28 82.17	7 7	226510 $$ $ o$ 710094 $$	320 660	Y S
58	77	77.27	8.50	225877_	350	N	65	84	84.28	9	712005 _→	320	H
58	78	78.28	10	710144_←	#	S	65	85	85.20	8	658508XX_	350	S
58	80	80.28	8	588008XX_	350	S	65	85	85.27	10	658510XX_	350	S
58 58	80 85	80.29 85.25	8 13	225880_ 588513XX_	350 320	S S	65 65	85 85	85.22 85.17	10 10	226520_ 710373_	350 470	S S
58	88	88.20	8	588808XX_	320	S	65	88	88.20	8	658808XX_	350	S
58	90	90.28	10	589010XX_	350	S	65	88	88.20	10	658810XX_	320	S
59	75	75.11	10	710168_	470	S	65	88	88.20	12	710367 ₋ →	400	S
59 60	100 72	100.28 72.16	10 7.50	710121 <u> </u>	# 470	N S	65 65	90 90	90.20 90.28	7 10	659007XX_ 659010XX_	320 350	S S
60	72	72.28	8	607208XX_	350	Š	65	90	90.27	10	226530_	350	Š
60	75	75.16	5.80	710093_	#	S	65	90	90.20	13	659013XX_	350	S
60	75	75.28	8	607508XX_	350	S	65	100	100.30	7	65X10007XX_	320	S
60 60	75 78	75.29 78.28	9 9	226015_ <i>←</i> 226018_	320 350	N N	65 66	100 80	100.28 80.11	10 9	65X10010XX_ 226610_	350 410	S N
60	80	80.20	8	608008XX_	350	S	66	85	85.17	8	710092_	410	S
60	80	80.29	8	1039S_	350	S	68	82	82.20	7	688207XX_	350	S
60	82 82	82.20 82.30	7	608207XX_ 608212XX_	320	S S	68	84	84.28 85.20	8.50	710234_ <i>←</i> 688508XX_	320	N
60 60	82	82.27	12 12	000212AA_ 2001_←	350 320	S	68 68	85 86	86.28	8 8	710334_←	350 320	S N
60	82	82.20	12	710390 _→	320	N	68	88	88.29	8	710446 _→	350	S
60	82	82.27	12	712006_←	320	Н	68	90	90.20	7	689007XX_	320	S
60	85 85	85.28 85.20	8	608508XX_ 608512XX_	350	S S	68	90 90	90.32 90.17	10 12	689010XX_	350 470	S S
60 60	86	86.18	12 7	710182_	320 660	S	68 68	90 95	95.20	10	710440_ 689510XX_	350	S
60	90	90.25	8	609008XX_	320	S	68	100	100.20	10	68X10010XX_	350	S
60	90	90.27	10	609010XX_	350	S	68	100	100.28	13	68X10013XX_	350	S
60 60	90	90.17	14 14	1985_ 1985S	480	S S	70 70	85 87	85.28 87.27	8 8 50	708508XX_	350	S V
60 60	90 95	90.17 95.20	8	1985S_ 609508XX_	480 320	S	70	87 87	87.27 87.27	8.50 8.50	1021_← 1021V_←	320 320	V
60		100.20	10	60X10010XX_↔	320	Ň	70	88	88.25	8	708808XX_	480	S
60	103	103.18	12	710276_	400	N	70	88	88.29	12	227020_←	320	Н
60	110	110.20	8	60X11008XX_	320	S	70 70	88	88.25	12	708812XX_	320	S
61 62	76 78	76.28 78.16	7 9.50	226150_ 710213_	# 2810	S S	70 70	90 90	90.20 90.32	7 10	709007XX_ 227040_ <i>←</i>	320 350	S H
62	80	80.20	9	628009XX_	320	S	70	90	90.32	10	709010XX_	350	S
62	80	80.28	10	628010XX_	350	S	70	92	92.28	8.50	227045_←	470	Н
62	85	85.17	8	226285_	410	S	70 70	92	92.20	12	709212XX_	320	S
62 62	85 90	85.13 90.28	8 10	628508XX_ 629010XX_	410 350	S S	70 70	95 95	95.28 95.28	10 13	709510XX_ 709513XX_	350 350	S S
62	100	100.30	7	62X10007XX_	320	S	70	100	100.20	10	70X10010XX_	320	S

Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
70 70 70 70 70	105 105 110	100.28 105.30 105.20 110.20 112.17	13 7 13 10 14	70X10013XX_ 70X10507XX_ 70X10513XX_ 70X11010XX_ 710339_	350 320 350 350 250	S S S S	80 80 82 82 83	120 105 105	120.20 120.28 105.25 105.32 100.28	10 13 13 13 9	80X12010XX_ 80X12013XX_ 82X10513XX_ 228480_← 228250_←	320 320 250 320 320	S S H H
72 72 72 72 72 72	88 88 90 95 96	88.25 88.25 90.20 95.28 96.29	7 7 10 10 9	1986_ 1986S_ 729010XX_ 729510XX_ 227235_←	480 480 350 350 320	S S S H	84 85 85 85 85	105 105 105	104.27 105.28 105.28 105.28 110.20	11 10 10 13 10	228410_← 85X10510XX_ 716102_← 85X10513XX_ 85X11010XX_	320 320 320 320 350	V S H S S
72 72 74 75 75	100 100 98 83 90	100.20 100.31 98.27 87.00 90.20	10 12 12 4 8	72X10010XX_ 72X10012XX_↔ 227410_→ 710240_ 759008XX_	350 320 320 # 320	S S H S S	85 85 85 85 85	110 115 120	110.28 110.29 115.00 120.28 125.20	12 12 13 12 12	85X11012XX_ 228520_ 85X11513XX_ 85X12012XX_ 85X12512XX_	350 350 350 320 320	S S S S
75 75 75 75 75	90 95 95 95 100	90.25 95.28 95.28 95.28 100.28	10 10 10 10 10	759010XX_ 227530_ 716445_ 759510XX_ 227540_	320 350 350 350 320	S S V S S	85 86 86 87 88	103 104 100	130.15 103.28 104.37 100.28 106.27	12.70 10 11 8 8.50	85X13013XX_ 710235_← 710232_ 228700_← 710188_←	480 320 320 320 320	S V V H V
75 75 75 75 75	100 100 100	100.20 100.27 100.28 100.18 105.27	10 12 13 13 13	75X10010XX 75X10012XX 227550_← 710384_ 75X10513XX_	320 320 320 250 320	S S H S S	88 88 89 90 90	110 105 104	108.28 110.28 105.28 104.27 110.29	11 12 10 11 9	3772_← 88X11012XX_ 710189_← 710237_← 229005_←	350 350 470 320 320	H S V V
75 75 75 76 76		110.20 115.30 120.20 92.28 92.28	12 12 10 10	75X11012XX 75X11512XX 75X12010XX 4307V_← 327995_←	320 350 320 320 320	S S V V	90 90 90 90 90	110 110 115	110.29 110.29 110.20 115.20 120.28	9 9 12 12 12	229006_← 229010_← 90X11012XX_ 90X11512XX_ 90X12012XX_	320 320 350 320 320	H H S S
76 76 76 76 78		93.30 93.30 98.27 102.20 100.27	10 10 12 9.50 10	1019_← 1019S_← 227610_→ 710375_ 78X10010XX_	320 320 320 # 350	H H S S	90 90 90 91 91	125 145 110	125.70 125.30 145.20 110.29 111.28	7 13 14 8.50 10	90X12507XX_ 90X12513XX_ 90X14514XX_ 229210_← 710056_←	320 320 320 320 470	S S V V
78 78 80 80 80	105 115 96 98 100	105.20 115.20 96.29 98.27 100.28	10 10 9 10 10	78X10510XX 78X11510XX 228005_← 228008_← 228009_←	320 320 320 320 320	S S V X H	92 93 93 95 95	114 154 110	120.24 114.30 154.20 110.20 110.29	13 13 8 10 11	92X12013XX_ 710288_← 710266_ 95X11010XX_ 717005_←	350 320 # 320 320	S S S S
80 80 80 80 80	100 100 100	100.28 100.20 100.28 100.28 105.20	10 10 13 13	228012_ 80X10010XX_ 228010_← 228015_→ 80X10510XX_	350 350 320 320 320	S S H H S	95 95 95 95 95	115 118 120	113.10 115.28 118.29 120.28 125.28	10 12 10 12 12	710352_ 95X11512XX_ 710060_← 95X12012XX_ 95X12512XX_	470 350 320 350 350	V S H S S
80 80 80 80 80	105 110 110	105.28 105.27 110.29 110.28 110.28	13 13 10 10 12	228020_ 80X10513XX_ 228030_ 80X11010XX_ 80X11012XX_	320 480 350 320 350	S S S S S	95 98 100 100	120 114 120	130.28 120.20 114.20 120.30 120.27	12 13 12 10 11	95X13012XX_ 98X12013XX_ 710410_ 10X012010XX_ 231004_	350 350 470 350 320	S S S H

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Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl
100	120	120.28	12	10X012012XX_	350	S	140		160.27	13	14X016013XX_	350	S
100 100	120 125	120.13 125.28	12 12	231002_ 10X012512XX_	350 350	S S	140 140	170 170	170.30 170.21	12 14	14X017012XX_ 710406_	320 470	S S
100	125	125.25	12	231003_	350	S	140	170	170.43	15	14X017015XX_	350	S
100	130	130.28	12	10X013012XX_	350	S	140	180	180.30	12	14X018012XX_	350	S
100	135	135.36	10	710351_←	320	Н	140	180	180.38	18	14X018018XX_	320	S
101 102	114 130	114.10 130.28	10 13	710371_ 10X213013XX_	250 350	S S	143 144	168.30 160	168.50 160.25	13.10 12	417555_ 14X416012XX_	410 350	S S
105	125	125.28	13	10X512513XX_	320	S	145	164	264.10	14	710369_	470	S
105	130	130.28	12	10X513012XX_	350	S	145	164	164.10	14	14X516414XX_	470	S
105	140	140.28	12	10X514012XX_	350	S	145		170.45	12	14X517012XX_	350	S
106	126 130	126.37 130.35	12	710366_ <i>←</i> 2261 _ <i>←</i>	320 470	H V	145	175 180	175.38 180.28	15 12	14X517515XX_ 14X518012XX_	350 350	S
110 110	130	130.33	10 12	2261_← 11X013012XX_	350	S	145 145	180	180.28	12	14X518012XX_	350	S S
110	135	135.30	13	11X013513XX_	320	S	148		170.28	15	14X817015XX	350	S
110	140	140.28	12	11X014012XX_	320	S	148	170	170.28	15	14X817015XX_	350	S
110	140	140.23	13	11X014013XX_	450	S	150	180	180.35	12	15X018012XX_	350	S
110 110	145 150	145.30 150.28	13 15	11X014513XX_ 11X015015XX_	350 350	S S	150 155	180 180	180.35 180.23	15 15	15X018015XX_ 15X518015XX_	350 320	S S
112		140.32	13	11X2140013XX_	350	S	160	185	185.35	10	16X018510XX	350	Š
114	140	140.28	13	11X414013XX_	350	S	160	190	190.35	15	16X019015XX_	350	S
115	135	135.36	10	710258 ₋ ←	320	V	160	200	200.20	12	16X020012XX_	320	S
115 115	140 145	140.28 145.30	12 13	11X514012XX_ 11X514513XX_	350 350	S S	160 170	200 200	200.20 200.35	15 15	16X020015XX_ 17X020015XX_	320 350	S S
115		145.20	14	11X514514XX_	320	S	170	210	210.20	15	17X021015XX_	320	S
115	150	150.28	12	11X515012XX_	350	S	175	200	200.35	15	17X520015XX_	320	S
115	156	156.10		710372_	#	S	180	210	210.35	15	18X021015XX_	350	S
120 120	140 140	140.21 140.28	12 13	717004_ 12X014013XX_	480 350	S S	185 190	210 220	210.35 220.35	13 16	18X512013XX_ 19X022016XX_	350 350	S S
120	145	145.28	12	12X014512XX	350	S	190	230	230.20	16	19X023016XX	320	S
120	150	150.28	12	12X015012XX_	350	S	200	230	230.35	15	20X023015XX_	450	S
120	160	160.28	12	12X016012XX_	350	S	210	240	240.35	15	21X024015XX_	350	S
124 125	170 150	150.28	14.50 12	710381 <u> </u>	# 320	S S	210 220	250 250	250.20 250.35	15 15	21X025015XX_ 22X025015XX	320 350	S S
125		150.37	12	231250_	350	S	230		260.35	15	23X026015XX	350	S
125		155.20	12	12X515512XX_	320	S	240	270	270.35	15	24X027015XX_	350	S
125	160	160.28	12	12X516012XX_	350	S	240	280	280.20	16	24X028016XX_	320	S
125 128		170.20 150.28	15 15	12X517015XX_ 12X815015XX_	320 350	S S	280 300	320 340	320.45 340.45	20 20	28X032020XX_ 30X034020XX_	320 320	S S
130		150.10	10	13X015010XX_	470	S		0.10	0.10.10	20	00,000,1020,002	020	Ü
130		150.22	10	710380_	470	S							
130	160	160.28	12	13X016012XX_	350	S							
130 130		160.20 170.30	15 12	13X016015XX_ 13X017012XX_	320 350	S S							
130		170.28	15	13X017015XX_	350	S							
135		160.38	13	13X516013XX_	350	S							
135	170	170.38	12	13X517012XX_	350	S							
138 138		152.10 152.20	12 12	13X815212XX_ 710368_	470 470	S S							
140		160.20	12	14X016012XX_	320	Š							

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
1012N 1012S 1015 1015N 1019←	320 350 350 350 320	S S S S H	45 45 18 18 76	62 62 28 28 93	62.28 62.28 28.22 28.22 93.30	8 8 6 6 10	1207 1207N 1209 1209S 1213	490 490 350 350 470	S S S S	55 55 50 50 40	74 74 65 65 54	74.17 74.17 65.15 65.15 54.15	6 6 9 9 5.30
1019S← 1021← 1021V← 1036→ 1038→	320 320 320 400 320	H V V N N	76 70 70 40 38	93 87 87 76 59	93.30 87.27 87.27 76.28 59.28	10 8.50 8.50 9 9	1213N 1213S 1214 1214N 1215←	470 470 470 470 #	S S S N	40 40 42 42 35	54 54 55 55 48	54.15 54.15 55.17 55.17 48.13	5.30 5.30 9 9
1039S 1108→ 1120← 1120S← 1121←	350 320 320 320 320	S V V V	60 35 38 38 31	80 48 53 53 46	80.29 48.24 53.29 53.29 46.23	8 10 7 7 8	1215N← 1216 1216N 1217 1873→	# 740 740 350 350	N N N N	35 40 40 40 40	48 64 64 52 58.70	48.13 64.16 64.16 52.15 58.98	13 12 12 7 9.50
1126 1126S 1129 1136← 1136S←	250 250 350 300 300	S S S N	39 39 30 35 35	50.40 50.40 40 76 76	50.57 50.57 40.23 76.28 76.28	8.50 8.50 7 9	1883 1884 1928 1932 1932S	320 320 470 490 490	\$ \$ \$ \$	52 52 57 56 56	67 68 81 68 68	67.29 68.15 81.18 68.15 68.15	7 7.50 8 4.50 4.50
1140→ 1146← 1146S← 1147→ 1167	320 320 320 320 320	N N N N	35 40 40 35 32	68 76 76 76 52	68.28 76.28 76.28 76.28 52.27	9 9 9 9	1935 1936 1937 1938 1939	470 # # #	S S S S	63 49 47 45 45	90 64 64 64 64	90.17 64.29 64.29 64.29 64.29	7 6 6 9
1167S 1168← 1170 1170S 1172→	320 320 320 320 320	N S S H	32 33 35 35 35	52 50 52 52 47	52.27 50.25 52.25 52.25 47.40	11 12 10 10	1940→ 1941 1943 1948 1950	320 470 440 350 410	N S S S	35 51 45 50 41	49.50 77.50 72.20 68 53	49.83 77.65 72.49 68.28 53.16	10 14 7.50 8 7
1172S→ 1173 1174 1174S 1175	320 320 320 320 320	H N S S	35 35 38 38 38	47 67 52 52 58	47.40 67.27 52.27 52.27 58.27	7 12 7 7 11	1951 1953 1953S 1955 1956	870 320 320 350 #	S N N S	45 42 42 52 48	64 60 60 65 62	64.29 60.27 60.27 65.15 62.28	9 7 7 9
1176→ 1176S→ 1177 1178 1178S	# # 320 320 320	N N S S	38 38 38 40 40	65 65 74 52 52	65.27 65.27 74.17 52.25 52.25	12 12 11 6 6	1956S 1958 1960 1962 1963	# 350 470 780 350	S S S N	48 55 50 40 22	62 82 70 52 40	62.28 82.17 70.13 52.15 40.16	9 10 9 7 7
1180 1180S 1181 1183 1187S	320 320 350 340 320	S S S S S	41 41 41 43 47	55 55 56 55 68	55.17 55.17 56.16 55.27 68.27	6 6 7 8 10	1964 1965 1966→ 1970 1973	470 480 350 350 250	S V Y S S	57 36 38 30 48	72 60 52 42 65	72.14 60.20 52.27 42.24 65.15	8.40 8 7 7 8.10
1188 1188S 1196 1205 1205N	340 340 470 470 470	S S S S	48 48 38 39 39	62 62 52 52 52	62.28 62.28 52.27 52.15 52.15	6 6 6 6.30 6.30	1974 1975 1975S 1979→ 1980→	970 320 320 470 320	S S N H	50 52 52 45 35	67 63 63 75 50	67.29 63.23 63.23 75.16 50.29	11 8 8 12 7

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
1981→ 1984 1985 1985S 1986	350 250 480 480 480	N S S S	30 57 60 60 72	45 67 90 90 88	45.24 67.29 90.17 90.17 88.25	8 6 14 14 7	4052R↔ 4175 4307V← 4528N 4898	# 320 660 660	N S V N S	35 40 76 48 52	52 52 92 65 66	52.13 52.20 92.28 65.15 66.12	8 9 10 24.50 7.50
1986S 1990→ 1992 1993 1994	480 320 470 470 320	S N S S	72 27 45 56 48	88 43 65 73 70	88.25 43.23 65.15 73.15 70.28	7 9 5 7.50	4899 4901 4904 4989 4990	660 400 660 # 2810	S N S S	56 35 49 37 52	75 62 62 62 68	75.13 62.28 62.15 62.26 68.28	6.60 9 8.50 9.50 7.60
2001← 2002 2003 2003N 2004	320 470 470 470 #	\$ \$ \$ \$	60 54 36 36 14	82 65 55 55 24	82.27 65.15 55.09 55.09 24.17	12 13 6.50 6.50 12.70	61607XX 62207XX 71607XX 72207XX 81404XX	350 350 320 350 350	S S S S	6 6 7 7 8	16 22 16 22 14	16.28 22.28 16.28 22.28 14.20	7 7 7 7 4
2007 → 2007N → 2007S → 2008 2008S	# # # #	\$ \$ \$ \$	35 35 35 32 32	56 56 56 54 54	56.29 56.29 56.29 54.15 54.15	8 8 8 9	81607XX 81805XX 81807XX 82207XX 82207XX	350 350 320 320 320	S S S S	8 8 8 8	16 18 18 22 22	16.23 18.20 18.20 22.28 22.20	7 5 7 7 7
2009 2009S 2011→ 2011S→ 2012→	# 400 400 320	N N N N	38 38 40 40 43	63 63 75 75 55	63.17 63.17 75.16 75.16 55.27	10 10 12 12 6	82407XX 91807XX 92207XX 92407XX 92607XX	350 350 350 350 350	S S S S	8 9 9 9	24 18 22 24 26	24.28 18.20 22.20 24.28 26.28	7 7 7 7 7
2012S→ 2012V→ 2016 2025 2027	320 320 # 320 350	Y V S V S	43 43 30 42 15	55 55 45 60 24	55.27 55.27 45.20 60.27 24.20	6 6 15 7 7	101907XX 102207XX 102407XX 102507XX 102607XX	350 320 350 320 320	S S S S S	10 10 10 10 10	19 22 24 25 26	19.20 22.28 24.23 25.28 26.23	7 7 7 7 7
2261 ← 2440 3051 → 3051N→ 3357	470 690 330 330 2830	V N H H S	110 45 42 42 38	130 60 55 55 55	130.35 60.25 55.27 55.27 52.15	10 10.80 8 8 6	111704XX 112207XX 112607XX 121905XX 122005XX	320 350 350 320 320	S S S S S	11 11 11 12 12	17 22 26 19 20	17.25 22.28 26.28 19.20 20.28	4 7 7 5 5
3392 3459 ↔ 3459S ↔ 3476 → 3476S →	470 740 740 320 320	S N N N	40 40 40 32 32	55 58 58 47 47	55.17 58.17 58.17 47.22 47.22	8 9 9 8 8	122207XX 122407XX 122507XX 122607XX 122807XX	350 320 480 320 350	S S S S	12 12 12 12 12	22 24 25 26 28	22.25 24.23 25.25 26.20 28.20	7 7 7 7 7
3655 → 3655S → 3723 3743 3771 →	320 320 660 660 350	N N S H	35 35 55 50 35	52 52 70 65 50	52.27 52.27 70.13 65.15 50.29	8 8 9 9 7	123007XX 123207XX 123507XX 132206XX 132607XX	350 350 320 320 320	S S S S S	12 12 12 13 13	30 32 35 22 26	30.20 32.20 35.20 22.20 26.20	7 7 7 6 7
3772← 3774S→ 3774→ 3816 3907	350 350 350 2710 570	H H S N	88 42 42 18 30	108 56 56 30 58	108.28 56.34 56.34 30.10 58.09	11 7 7 6.70 9.50	132807XX 133007XX 142407XX 142505XX 142607XX	320 320 350 320 320	S S S S S	13 13 14 14 14	28 30 24 25 26	28.20 30.20 24.23 25.23 26.23	7 7 7 5 7

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
142707XX 142806XX 143007XX 143207XX 143507XX	320 350 320 320 350	\$ \$ \$ \$	14 14 14 14 14	27 28 30 32 35	27.20 28.23 30.20 32.20 35.22	7 6 7 7	193207XX 193208XX 193510XX 194010XX 194707XX	350 320 350 350 320	S S S S	19 19 19 19	32 32 35 40 47	32.20 32.20 35.23 40.23 47.20	7 8 10 10 7
152407XX 152505XX 152507XX 152607XX 152807XX	350 320 350 350 320	\$ \$ \$ \$	15 15 15 15 15	24 25 25 26 28	24.23 25.20 25.20 26.23 28.20	7 5 7 7	202806XX 203007XX 203207XX 203507XX 203607XX	320 350 350 350 320	S S S S	20 20 20 20 20 20	28 30 32 35 36	28.20 30.28 32.23 35.23 36.20	6 7 7 7 7
153007XX 153207XX 153207XX 153208XX 153507XX	350 350 350 350 350	S S S S	15 15 15 15 15	30 32 32 32 32 35	30.23 32.20 32.20 32.22 35.23	7 7 7 8 7	203707XX 203708XX 203807XX 204007XX 204010XX	320 320 320 350 350	S S S S	20 20 20 20 20	37 37 38 40 40	37.20 37.20 38.20 40.23 40.23	7 8 7 7
153706XX 154007XX 162204XX 162405XX 162406XX	320 320 320 350 320	S S S S S	15 15 16 16 16	37 40 22 25 24	37.20 40.20 22.20 25.20 24.20	6 7 4 5 6	204207XX 204210XX 204707XX 205207XX 213507XX	350 320 350 350 320	S S S S	20 20 20 20 21	42 42 47 52 35	42.25 42.15 47.22 52.20 35.20	7 10 7 7 7
162407XX 162607XX 162807XX 162807XX 163007XX	320 320 350 350 350	\$ \$ \$ \$	16 16 16 16 16	24 26 28 28 30	24.20 26.20 28.23 28.20 30.23	7 7 7 7 7	213508XX 220818 220860 220918 221040	320 320 350 350 350	\$ \$ \$ \$	21 8 8 9 10	35 18 16 18 19	35.20 18.20 16.20 18.20 19.23	8 7 6 7 7
163207XX 163507XX 163807XX 164007XX 172707XX	320 350 320 320 320	\$ \$ \$ \$	16 16 16 16 17	32 35 38 40 27	32.28 35.23 38.20 40.20 27.20	7 7 7 7 7	221122 221207 221208 221410 221510	350 350 350 350 320	S S V S N	11 12 12 14 15	22 22 22 24 25	22.23 22.25 22.23 24.23 25.25	7 7 7 6 6
172807XX 173007XX 173207XX 173507XX 173508XX	350 350 350 350 350	S S S S	17 17 17 17 17	28 30 32 35 35	28.23 30.23 32.22 35.18 35.20	7 7 7 7 8	221540 221607 221610 221620 221710	350 # 320 350 350	S N N S S	15 16 16 16 17	30 27 28 30 28	30.23 27.20 28.22 30.23 28.22	7 14 7 7 7
173707XX 173807XX 174007XX 174707XX 174708XX	320 320 350 350 320	S S S S	17 17 17 17 17	37 38 40 47 47	37.20 38.20 40.23 47.20 47.20	7 7 7 7 8	221720 221730 221735 221820 221830	470 350 350 320 350	S S S S	17 17 17 18 18	30 32 35 30 32	30.23 32.23 35.23 30.23 32.23	7 7 7 8 7
182806XX 183007XX 183207XX 183208XX 183507XX	350 350 350 350 350 320	S S S S	18 18 18 18 18	28 30 32 32 35	28.28 30.23 32.20 32.22 35.18	6 7 7 8 7	221920 221922 221925 222020 222025	320 320 350 350 350	S S S S	19 19 19 20 20	30 32 36 32 30	30.23 32.23 36.23 32.23 30.23	5 8 6.50 7 7
183708XX 183807XX 184007XX 192706XX 193007XX	320 320 350 350 320	\$ \$ \$ \$ \$	18 18 18 19	37 38 40 27 30	37.20 38.20 40.22 27.20 30.20	8 7 7 6 7	222030→ 222036 222050 222060 222210	320 320 350 350 350	S V S S	20 20 20 20 20 22	35 36 40 47 32	35.23 36.22 40.23 47.22 32.23	5.50 7 7 7 7

Part Number	Style	Mati	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
222220 222238 222240 222242 222267←	320 320 350 320 320	S S N H	22 22 22 22 22 22	35 38 40 40 45	35.23 38.20 40.23 40.23 45.24	7 8 7 9 8	223550 223552 223553→ 223554 223555	450 320 400 # 470	S S N S N	35 35 35 35 35	58 62 62 63 64	58.27 62.28 62.28 63.17 64.13	10 7 9 10 8
222330← 222410 222430 222510 222535→	320 350 350 350 320	N S S S	23 24 24 25 25	34 35 40 35 38	34.24 35.23 40.23 35.13 38.23	8 7 7 7 7	223580→ 223601 223602→ 223605 223606	400 350 320 470 480	S S N S	35 36 36 36 26	68 47 49 50 42	68.16 47.22 49.23 50.14 42.14	9 7 7 7 8
222540 222560 222580 222655→ 222743←	470 350 320 320 320	S S S S H	25 25 25 26 27	40 47 62 48 43	40.23 47.22 62.28 48.24 43.20	7 7 10 7 9	223607XX 223608← 223610 223707XX 223750→	320 320 350 350 320	S S S S N	22 36 36 22 37	36 52 54 37 50	36.20 52.20 54.28 37.23 50.29	7 10 7.50 7 6
222745← 222820 222830 222835 222860→	320 330 320 320 320	N S N N	27 28 28 28 28 28	45 40 41 44 47	45.24 40.23 41.27 44.22 47.22	9 7 7 6 8	223800→ 223801 223802→ 223805 223807XX	320 320 320 250 350	N S N S	38 38 38 38 22	50 50 50 57 38	50.28 50.29 50.25 47.00 38.20	8 8 6 7 7
$ \begin{array}{c} \textbf{223005} \\ \textbf{223010} \rightarrow \\ \textbf{223012} \rightarrow \\ \textbf{223014} \\ \textbf{223018} \rightarrow \end{array} $	480 320 320 320 320	S S N S	30 30 30 30 30	40 42 44 45 46	40.23 42.24 44.22 45.24 46.23	7 7 9 6 7	223808XX 223830 223831→ 223840 223843	320 350 320 470 350	S N N S	22 38 38 38 38	38 55 55 58 60	38.20 55.27 55.27 58.17 60.27	8 9 9 8 10
223020 223035 223050 ← 223207XX 223210	350 350 320 350 340	S S S S	30 30 30 22 32	47 52 50 32 40	47.22 52.27 50.24 32.23 40.15	7 7 9 7 5	224007XX 224008XX 224010 224015→ 224020→	350 350 350 320 320	S S S S	22 22 40 40 40	40 40 52 52 55	40.23 40.20 52.15 52.27 55.27	7 8 7 6 8
223215← 223220→ 223230 223235→ 223240→	320 320 320 320 400	S N S N	32 32 32 32 32	42 44 45 46 48	42.20 44.22 45.24 46.23 48.24	10 6 7 6 7	224025→ 224026↔ 224040 224045 224052→	320 350 350 320 320	N V S S H	40 40 40 40 40	56 56 60 62 52	56.29 56.29 60.27 62.28 52.27	8 9 10 11 7
223250→ 223252← 223253→ 223255 223340→	320 320 320 350 320	S N N S	32 32 32 32 33	50 52 53 52 47	50.24 52.28 53.29 52.27 47.22	8 11 7 7 7	224063→ 224066→ 224100 224200 224200S	320 400 350 320 320	N N S S	40 40 40 42 42	63 66 65 55 55	63.27 66.27 65.15 55.17 55.17	8 8 10 6 6
223400 223420→ 223440 223507XX 223510	320 320 320 350 350	N N S S	34 34 34 22 35	44 48 53 35 47	44.23 48.24 53.28 35.23 47.22	8 8 8 7 7	224205→ 224207XX 224210XX 224210 224215←	320 320 350 350 320	N S S S N	42 22 22 42 42	55 42 42 55 58	55.33 42.20 42.20 55.17 58.27	8 7 10 6 9.50
223520 223535 223540 223542 223543	350 330 320 320 320	S S N N S	35 35 35 35 35	50 52 55 55 56	50.29 52.15 55.27 55.27 56.29	8 7 8 8 10	224220 224235 224250→ 224252 224254	490 480 350 320 340	S S S S S	42 42 42 42 42	56 58 62 62 64.10	56.21 58.17 62.28 62.28 64.39	7 9 10 7 6

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
224255 224270 224320 224400 224460→	470 350 470 250 350	N S S X	42 42 43 43 44	65 72 62 54 60	65.15 72.27 62.18 54.15 60.27	10 10 10 6.50 7	225535 225540 225545 225650 225673	320 320 350 320 #	S S S S S	55 52 55 56 56	72 72 75 72 73	72.29 72.29 75.24 72.14 73.15	10 7.50 10 9 7.50
224462 224464 ← 224465 → 224507XX 224520	320 320 320 350 350	S N S S	44 44 44 22 45	62 62 65 45 60	62.28 62.28 65.28 45.23 60.27	8 10 11 7 8	225678 225775 225874 225875 225877	# # 1010 320 350	S S N S N	56 56 58 58 58	78 75 74 75 77	78.28 75.33 74.12 75.29 77.27	7.50 7 13 9 8.50
224560 224570 224650→ 224660→ 224707XX	320 350 320 320 350	S S N H S	45 45 46 46 22	68 72 58 60 47	68.28 72.29 58.27 60.27 47.23	8.50 7 7 7 7	225880 226015← 226018 226150 226285	350 320 350 # 410	S N N S S	58 60 60 61 62	80 75 78 76 85	80.29 75.29 78.28 76.28 85.17	8 9 9 7 8
224772 224810 224820 224835→ 224840→	480 320 320 320 320	S N S N	47 48 48 48 48	72 62 62 68 68	72.16 62.28 62.28 68.28 68.28	8 7 8 11 11	226480→ 226510→ 226520 226530 226610	330 320 350 350 410	H Y S S N	64 65 65 65 66	80 81 85 90 80	80.21 81.28 85.22 90.27 80.11	8 7 10 10 9
224850 224865 224870 224872 224874	350 320 470 320 320	\$ \$ \$ \$	48 48 48 48 48	72 65 73 72 74	72.29 65.28 73.10 72.29 74.27	8.50 9 7 8.50 10	227020← 227040← 227045← 227235← 227410→	320 350 470 320 320	H H H	70 70 70 72 74	88 90 92 96 98	88.29 90.32 92.28 96.29 98.27	12 10 8.50 9 12
224979 225005 225008 225010 225020→	470 320 470 470 320	N S S S V	49 50 50 50 50	79 62 62 65 68	79.10 62.18 62.13 65.15 68.28	7 9 9	227530 227540 227550← 227610→ 228005←	350 320 320 320 320	S S H H V	75 75 75 76 80	95 100 100 98 96	95.28 100.28 100.28 98.27 96.29	10 10 13 12 9
225030 225035 225040→ 225050 225082	350 320 320 350 #	\$ \$ \$ \$	50 50 50 50 50	72 72 72 80 82	72.29 72.29 72.29 80.29 82.18	8 9 12 8 8	228008← 228009← 228010← 228012 228015→	320 320 320 350 320	X H H S H	80 80 80 80	98 100 100 100 100	98.27 100.28 100.28 100.28 100.28	10 10 13 10 13
225110 225208 225210 225220 225225	470 320 350 350 470	S S N S	51 52 52 52 52 52	65 65 66 68 70	65.15 65.28 66.27 68.15 70.16	7 9 9 6.50 8	228020 228030 228250← 228410← 228480←	320 350 320 320 320	S S H V H	80 80 83 84 82	105 110 100 104 105	105.28 110.29 100.28 104.27 105.32	13 10 9 11 13
225227 225230 225275 225278 225410	# 350 660 350 #	S S S N S	56 52 52 52 52 54	72 72 75 78 66	72.27 72.29 75.11 78.28 66.17	12.50 7.70 7.50 9 7.50	228520 228700← 229005← 229006← 229010←	350 320 320 320 320	S H V H H	85 87 90 90	110 100 110 110 110	110.29 100.28 110.29 110.29 110.29	12 8 9 9
225420 225450 225500 225505 225530	320 320 320 320 320 350	\$ \$ \$ \$	54 54 55 55 55	72 82 68 70 72	72.25 82.30 68.28 70.13 72.24	10 8 8 9 8	229210← 231002 231003 231004 231250	320 350 350 320 350	V S S H S	91 100 100 100 125	110 120 125 120 150	110.29 120.13 125.35 120.27 150.37	8.50 12 12 11 11

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Mati	Shaft	Bore	O.D.	Width
239134 239146← 239201 243507XX 243707XX	# 480 320 350 350	S S S S	37 38 40 24 24	78 54 52 35 37	78.30 54.28 52.27 35.23 37.23	12 8 15 7 7	284707XX 284808XX 285207XX 304007XX 304207XX	350 320 350 350 350	S S S S	28 28 28 30 30	47 48 52 40 42	47.22 48.20 52.23 40.23 42.20	7 8 7 7
243807XX 244007XX 244207XX 244210XX 244707XX	320 350 320 320 350	S S S S	24 24 24 24 24	38 40 42 42 47	38.20 40.23 42.20 42.25 47.23	7 7 7 10 7	304407XX 304505XX 304508XX 304607XX 304707XX	250 320 320 320 350	S S S S	30 30 30 30 30	44 45 45 46 47	44.28 45.22 45.20 46.20 47.25	7 5 8 7 7
245207XX 253506XX 253506XX 253607XX 253608XX	320 320 320 320 350	S S S S	24 25 25 25 25 25	52 35 35 36 36	52.20 35.20 35.25 36.23 36.22	7 6 7 7 8	304808XX 305007XX 305008XX 305207XX 305510XX	350 350 480 350 350	\$ \$ \$ \$ \$	30 30 30 30 30	48 50 50 52 55	48.28 50.23 50.20 52.23 55.28	8 7 8 7 10
253707XX 253807XX 254007XX 254206XX 254208XX	320 350 350 350 320	S S S S	25 25 25 25 25 25	37 38 40 42 42	37.20 38.23 40.22 42.20 42.20	7 7 7 6 8	305608XX 306207XX 307210XX 314408XX 320564→	350 350 350 320 320	S S S V	30 30 30 31 45	56 62 72 44 68	56.20 62.28 72.27 44.20 68.28	8 7 10 8 12
254210XX 254508XX 254607XX 254707XX 254808XX	350 350 320 350 320	S S S S	25 25 25 25 25	42 45 46 47 48	42.28 45.23 46.20 47.23 48.20	10 8 7 7 8	320583→ 320595← 324207XX 324208XX 324307XX	320 320 350 320 320	S S S S	43 29 32 32 32	60 45 42 42 43	60.27 45.24 42.20 42.20 43.20	9 8 7 8 7
255010XX 255207XX 255208XX 255210XX 256210XX	350 350 350 350 320	S S S S S	25 25 25 25 25	50 52 52 52 52 62	50.28 52.27 52.20 52.20 62.28	10 7 8 10 10	324507XX 324606XX 324707XX 324808XX 325008XX	320 320 350 350 350	S S S S	32 32 32 32 32	45 46 47 48 50	45.23 46.23 47.23 48.20 50.23	7 6 7 8 8
263707XX 263805XX 264007XX 264207XX 264210XX	320 320 320 320 350	S S S S S	26 26 26 26 26	37 38 40 42 42	37.20 38.20 40.20 42.20 42.23	7 5 7 7	325207XX 325410XX 325610XX 325808XX 326008XX	350 320 350 320 320	S S S S	32 32 32 32 32	52 54 56 58 60	52.28 54.23 56.28 58.20 60.20	7 10 10 8 8
264707XX 264807XX 265208XX 273707XX 274210XX	350 320 320 350 350	S S S S	26 26 26 27 27	47 48 52 37 42	47.23 48.23 52.20 37.15 42.23	7 7 8 7 10	326010XX 326208XX 327208XX 327995← 334111	480 320 320 320 330	S S V S	32 32 32 76 43	60 62 72 92 54	60.20 62.20 72.20 92.28 54.15	10 8 8 10 7.50
274308XX 274508XX 274710XX 275208XX 283807XX	320 350 350 350 350	S S S S	27 27 27 27 27 28	43 45 47 52 38	43.20 45.25 47.23 52.20 38.23	8 8 10 8 7	335012XX 335206XX 344508XX 345208XX 345409XX	320 320 320 320 350	S S S S	33 33 34 34 34	50 52 45 52 54	50.25 52.25 45.20 52.28 54.20	12 6 8 8 9
284007XX 284008XX 284208XX 284406XX 284508XX	350 320 350 320 320	S S S N S	28 28 28 28 28	40 40 42 44 45	40.26 40.20 42.23 44.23 45.20	7 8 8 6 8	345509XX 346210XX 350572 350609← 354507XX	320 350 350 350 350	S S V N S	34 34 40 44 35	55 62 72 68 45	55.20 62.18 72.24 68.28 45.15	9 10 7 8 7

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
354707XX 354808XX 355007XX 355008XX 355207XX	350 320 350 350 350	S S S S	35 35 35 35 35	47 48 50 50 52	47.23 48.20 50.20 50.24 52.20	7 8 7 8 7	405008XX 405207XX 405406XX 405506XX 405508XX	350 350 470 350 350	S S S S	40 40 40 40 40	50 52 54 55 55	50.20 52.25 54.20 55.20 55.28	8 7 5.50 6.50 8
355208XX 355408XX 355508XX 355511XX 355608XX	330 350 470 320 350	S S S S	35 35 35 35 35	52 54 55 55 56	52.13 54.20 55.10 55.23 56.20	8 8 8 11 8	405607XX 405710XX 405808XX 405810XX 406010XX	320 320 350 320 350	S S S S	40 40 40 40 40	56 57 58 58 60	56.20 57.20 58.20 58.28 60.20	7 10 8 10 10
355610XX 355810XX 356010XX 356207XX 356210XX	320 350 350 350 350	S S S S	35 35 35 35 35	56 58 60 62 62	56.27 58.28 60.23 62.28 62.20	10 10 10 7 10	406207XX 406208XX 406212XX 406510XX 406808XX	350 320 350 350 350	S S S S	40 40 40 40 40	62 62 62 65 68	62.20 62.25 62.25 65.28 68.80	7 8 11.50 10 8
356408XX 356508XX 356510XX 357008XX 357210XX	470 320 320 320 350	N S S S	35 35 35 35 35	64 65 65 70 72	64.13 65.20 65.20 70.20 72.28	8 8 10 8 10	406812XX 407008XX 407207XX 407808XX 407810XX	350 320 350 320 350	S S S S	40 40 40 40 40	68 70 72 78 78	68.25 70.20 72.35 78.80 78.20	12 8 7 8 10
358008XX 364707XX 365007XX 365207XX 365408XX	320 350 470 350 350	S S S S	35 36 36 36 36	80 47 50 52 54	80.20 47.20 50.08 52.20 54.20	8 7 7 7 8	408010XX 409008XX 413818 415507XX 415607XX	350 350 410 320 350	\$ \$ \$ \$	40 40 50 41 41	80 90 70 55 56	80.28 90.20 70.10 55.29 56.25	10 8 7 7 7
365610XX 365808XX 365812XX 366007XX 366207XX	350 470 350 320 320	S S S S	36 36 36 36 36	56 58 58 60 62	56.25 58.25 58.23 60.20 62.28	10 8 12 7 7	417555 425507XX 425508XX 425607XX 425807XX	410 320 350 320 480	\$ \$ \$ \$	143 42 42 42 42	168.30 55 55 56 58	168.50 55.20 55.28 56.13 58.10	13.10 7 8 7 7
366810XX 375208XX 385007XX 385207XX 385308XX	350 350 350 320 320	S S S S	36 37 38 38 38	68 52 50 52 53	68.28 52.28 50.25 52.20 53.20	10 8 7 7 8	426007XX 426208XX 426510XX 426808XX 426810XX	320 350 470 320 320	S S N S	42 42 42 42 42	60 62 65 68 68	60.22 62.27 65.15 68.20 62.20	7 8 10 8 10
385407XX 385410XX 385507XX 385610XX 385808XX	480 320 350 350 470	S S N S	38 38 38 38 38	54 54 55 56 58	54.18 54.18 55.23 56.28 58.11	7 10 7 10 8	427010XX 427208XX 427210XX 428008XX 428010XX	320 320 320 320 350	\$ \$ \$ \$	42 42 42 42 42	70 72 72 80 80	70.20 72.20 72.27 80.20 80.20	10 8 10 8 10
386008XX 386010XX 386207XX 386508XX 386808XX	320 350 350 320 320	S S S S	38 38 38 38 38	60 60 62 65 68	60.20 60.35 62.28 65.20 68.20	8 10 7 8 8	435508XX 436508XX 446007XX 446010XX 446208XX↔	320 320 320 350 320	\$ \$ \$ \$	43 43 44 44 44	55 65 60 60 62	55.20 65.20 60.20 60.20 62.26	8 8 7 10 8
386810XX 387010XX 387210XX 387408XX 387411XX	320 350 350 320 320	S S S S N	38 38 38 38 38	68 70 72 74 74	68.20 70.20 72.20 74.20 74.20	10 10 10 8 11	446510XX 447008XX 447210XX 450474 455807XX	350 320 350 450 350	S S S S	44 44 44 50 45	65 70 72 73 58	65.28 70.20 72.11 73.15 58.28	10 8 10 12 7

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
456007XX 456008XX 456010XX 456208XX 456508XX	350 350 350 350 350	S S S S	45 45 45 45 45	60 60 60 62 65	60.20 60.20 60.25 62.30 65.28	7 8 10 8 8	509010XX 516507XX 526509XX 526808XX 526910XX	350 470 350 350 350	\$ \$ \$ \$	50 51 52 52 52	90 65 65 68 69	90.28 65.10 65.30 68.28 69.28	10 7 9 8 10
456807XX 457010XX 457207XX 457210XX 457212XX	320 320 350 350 350	S S S S	45 45 45 45 45	68 70 72 72 72 72	68.28 70.18 72.28 72.20 72.28	7 10 7 10 12	527008XX 527208XX 527512XX 528010XX↔ 528208XX	320 350 350 320 320	S S S S	52 52 52 52 52 52	70 72 75 80 82	70.20 72.20 75.28 80.28 82.20	8 8 12 10 8
457295XX 457507XX 458010XX 458510XX 458513XX	320 320 350 350 450	S S S S	45 45 45 45 45	72 75 80 85 85	72.25 75.20 80.28 85.20 85.25	10 7 10 10 13	528507XX 546508XX 547210XX 547308XX 548210XX	320 320 320 320 320	S S S S	52 54 54 54 54	85 65 72 73 82	85.20 65.20 72.25 73.20 82.35	8 8 10 8 10
466507XX 467008XX 473677 473823 474133	320 320 470 470 470	S S S S	46 46 40 35 40	65 70 55 55 74	65.20 70.20 55.27 55.17 74.12	7 8 8 8 10	548510XX 556808XX 557008XX 557208XX 557508XX	320 320 350 350 350	S S S S	54 55 55 55 55	85 68 70 72 75	85.28 68.28 70.27 72.25 75.20	10 8 8 8 8
474134 474161 476208XX 476508XX 476810XX	470 470 320 320 320	S S S S	50 40 47 47 47	2.62 2.56 62 65 68	66.50 65.00 62.20 65.20 68.27	13 9.50 8 8 10	557510XX 557810XX 558008XX 558212XX 558510XX	350 350 350 350 350	S S S S	55 55 55 55 55	75 78 80 82 85	75.35 78.28 80.28 82.30 85.31	10 10 8 12 10
477010XX 486208XX 486309XX 486510XX 486810XX	320 350 470 320 320	S S S N	47 48 48 48 48	70 62 63 65 68	70.20 62.10 63.09 65.30 68.27	10 8 9 10	558808XX↔ 559013XX 566810XX 567008XX 567207XX	320 350 480 350 320	S S N S	55 55 56 56 56	88 90 68 70 72	88.20 90.28 68.12 70.20 72.20	8 13 10 8 7
487008XX 487009XX 487207XX 487510XX 488008XX	350 350 320 320 320	S S S S S	48 48 48 48	70 70 72 75 80	70.20 70.28 72.31 75.20 80.20	8 9 7 10 8	567507XX 568008XX 568208XX 568508XX 568808XX	320 320 320 350 320	\$ \$ \$ \$	56 56 56 56 56	75 80 82 85 88	75.20 80.28 82.20 85.28 88.20	7 8 8 8 8
489010XX 494117 494122 494123 506207XX	350 490 490 490 350	S S S S	48 42 45 51 50	90 56.20 62 63 62	90.20 56.49 62.15 63.17 62.28	10 6 6 6 7	569008XX 578513XX 587208XX 587511XX 588008XX	320 320 350 350 350	S S S S	56 57 58 58 58	90 85 72 75 80	90.20 85.20 72.28 75.28 80.28	8 13 8 11 8
506508XX 506808XX 507008XX 507009XX 507208XX	320 350 320 320 350	S S S S S	50 50 50 50 50	65 68 70 70 72	65.28 68.28 70.20 70.20 72.28	8 8 8 9	588513XX 588808XX 589010XX 607208XX 607508XX	320 320 350 350 350	S S S S	58 58 58 60 60	85 88 90 72 75	85.25 88.20 90.28 72.28 75.28	13 8 10 8 8
507507XX 507512XX 508008XX 508508XX 509008XX	320 320 350 320 320	S S S S S	50 50 50 50 50	75 75 80 85 90	75.20 75.28 80.28 85.20 90.20	7 12 8 8 8	608008XX 608207XX 608212XX 608508XX 608512XX	350 320 350 350 320	S S S S	60 60 60 60	80 82 82 85 85	80.20 82.20 82.30 85.28 85.20	8 7 12 8 12

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
609008XX 609010XX 609508XX 628009XX 628010XX	320 350 320 320 350	S S S S	60 60 60 62 62	90 90 95 80 80	90.25 90.27 95.20 80.20 80.28	8 10 8 9 10	710110↔ 710111← 710112↔ 710114→ 710115↔	400 # # 980 980	N N N N	34 35 50 41 44	54 50 80 59 80	54.28 50.29 80.30 59.28 80.29	9 11.50 16.50 10 8.70
628508XX 629010XX 638510XX 639010XX 648008XX	410 350 320 320 320	\$ \$ \$ \$	62 62 63 63 64	85 90 85 90 80	85.13 90.28 85.28 90.14 80.28	8 10 10 10 8	710116 710117 710118 710121 710122	320 400 400 # 400	N N S N	14 50 39 59 39	25 86 59 100 57	25.22 86.30 59.28 100.28 57.28	7 13 17 10 15.50
658008XX 658508XX 658510XX 658808XX 658810XX	320 350 350 350 320	\$ \$ \$ \$	65 65 65 65 65	80 85 85 88 88	80.28 85.20 85.27 88.20 88.20	8 8 10 8 10	710123 710124 710125 710126 710127	400 400 # #	N N S S	39 33 56 46 55	57 59 74.20 2.73 68	57.28 59.28 74.37 69.40 68.15	11 11 6.50 11 6.50
659007XX 659010XX 659013XX 688207XX 688508XX	320 350 350 350 350	\$ \$ \$ \$	65 65 65 68 68	90 90 90 82 85	90.20 90.28 90.20 82.20 85.20	7 10 13 7 8	710129 710130 710131 710132 710133	# # 4 400 #	S S N N	57 64 40 33 42	77 77 62 56 90	77.20 77.20 62.20 56.29 90.27	8 8 9 13 9.50
689007XX 689010XX 689510XX 708508XX 708808XX	320 350 350 350 480	\$ \$ \$ \$	68 68 68 70 70	90 90 95 85 88	90.20 90.32 95.20 85.28 88.25	7 10 10 8 8	710135 710139 710142 710143 710144←	# # # #	S N S S	50 38 43 47 58	70 58 70 84 78	70.20 58.27 70.16 84.28 78.28	14 10 9 9.50 10
708812XX 709007XX 709010XX 709212XX 709510XX	320 320 350 320 350	\$ \$ \$ \$	70 70 70 70 70	88 90 90 92 95	88.25 90.20 90.32 92.20 95.28	12 7 10 12 10	710147 710148 710149 710150 710151	# 970 # # 470	S S S S S	40 49 37 47 34	60 72.20 52 80 65	60.15 72.49 52.15 80.16 65.10	8 6 6 12.70 12
709513XX 710051 710056← 710057 710060←	350 860 470 480 320	S S V S H	70 35 91 36 95	95 48 111 65 118	95.28 48.13 111.28 65.20 118.29	13 13 10 8 10	710152 710154 710156 710157→ 710159	# 320 320 320 #	S S S S S	36 19 18 27 43	64 38 32 43 58.47	64.16 38.23 32.23 43.23 58.62	11 7 7 7 7 7.50
710064 710069 710070 710072 710073	# # 470 # #	\$ \$ \$ \$	52 56 33 57 54	68 72 44 79 75.50	68.15 72.16 44.15 79.25 75.78	7.50 10.90 8 13.70 18	710161 710162 710164 710167 710168	2810 480 480 # 470	S V V S S	46 32 32 48 59	68.50 50 50 64 75	68.63 50.14 50.14 64.20 75.11	7.50 8 8 10 10
710074 710078 710092 710093 710094	# 470 410 # 660	S V S S	57 45 66 60 65	79 62 85 75 82	79.25 62.15 85.17 75.16 82.17	13.70 8 8 5.80 7	710173 710175 710176 710178 710182	# 320 870 # 660	N S S S	50 53 56 35 60	70 2.69 74 49 86	70.20 68.20 74.17 49.30 86.18	10 7 8.50 8 7
710097 710098 710107 710108 710109↔	# 710 # 660 400	S S S N	42 50 52 56 34	56 64.10 78.40 76 63	56.29 64.39 78.49 76.15 63.27	7 6.50 9.80 4.90 9	710187→ 710188← 710189← 710190 710192	320 320 470 480 320	N V V S	52 88 89 52 50	70 106 105 68 60	70.28 106.27 105.28 68.15 60.27	8.50 8.50 10 8 6

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
710193 710194 710199↔ 710201 710208	320 320 # 470 #	S S N S	45 50 35 35 43	59 68 54 60 92	59.28 68.10 54.15 60.15 92.28	8 6.50 9 12 12.50	710305 710305S 710308→ 710309 710310→	320 320 320 # 320	S S S N	49 49 40 38 32	70 70 52 52 47	70.28 70.28 52.27 52.15 47.22	11 11 6 6.30 6
710213 710215 710217 710218 710220→	2810 660 # # 320	S S S V N	62 47 35 35 41	78 66 54 56 62	78.16 66.10 54.15 56.29 62.23	9.50 6 8 10 9	710311 710312 710313→ 710314← 710315→	250 320 320 400 400	S S S N S	40 52 48 35 35	54 68 70 56 56	54.15 68.20 70.28 56.29 56.29	6 13 12 8 8
710226 710228 710230 710232 710234←	320 400 # 320 320	S S S V N	50 37 58 86 68	2.57 62 76 104 84	67.00 62.23 76.23 104.37 84.28	5.50 10 7.80 11 8.50	710316→ 710317← 710320 710322 710323	320 320 480 340 490	S S S S S	25 32 48 48 51	40 48 62 62 63	40.23 48.24 62.10 62.28 63.17	8 10 9 6 6
710235← 710236→ 710237← 710238→ 710239	320 320 320 320 400	V N V S N	86 33 90 46 54	103 49 104 70 69	103.28 49.23 104.27 70.10 69.23	10 8 11 8 7.50	710324← 710325→ 710326 710327→ 710328	320 320 660 320 350	S S S S	35 28 40 32 33	50 40 64 48 50	50.24 40.23 64.16 48.24 50.24	11 8 12 7 7
710240 710242→ 710245→ 710246 710248→	# 320 # # 660	S N N N	75 52 42 42 45	83 72 76 90 78	87.00 72.29 76.15 90.27 78.16	4 8 12 11.90 11	710329← 710331← 710332← 710334← 710335	320 320 320 320 320	H V N N S	35 35 31 68 35	50 54 46 86 65	50.29 54.20 46.23 86.28 65.28	8 8 8 8 12
710249 710251 710252 710253 710254	970 470 320 # 340	S N S S	20 17 36 52 23	26 34 44 62 31.80	26.24 34.14 44.22 62.28 32.03	4 7.90 5 5.50 5.50	710336← 710337 710338 710339 710341←	400 340 660 250 320	N S S S S	35 47 39 70 36	68 72.20 52 112 50	68.20 72.49 52.15 112.17 50.29	9 6 6.30 14 8
710255 710258← 710259↔ 710260← 710264→	# 320 320 320 320	S V V S Y	48 115 37 45 43	70 135 56 61 55	70.20 135.36 56.29 61.29 55.27	9 10 9 8 6	710342→ 710343 710344 710345 710346	320 330 320 320 490	S S S S	20 36 17 45 15	47 46 30 68 20	47.22 46.15 30.23 68.20 20.10	8.50 9 7 12 5
710266 710271← 710273 710276 710282	# 320 350 400 320	S S N S	93 58 19 60 32	154 74 35 103 42	154.20 74.27 35.23 103.18 42.20	8 10 10 12 8	710347← 710348 710351← 710352 710353→	320 320 320 470 660	S S H V S	28 13 100 95 37	38 22 135 113 58	38.23 22.20 135.36 113.10 58.10	10 6 10 10
710284 710286 710288← 710289→ 710291←	# 320 320 320 400	N N S S N	40 42 93 45 41	73 67 114 67 63	73.10 67.20 114.30 67.16 63.20	12.50 10 13 8 9		320 320 470 470 #	N N S S	50 37 48 50 30	65 50.50 60 67 45	65.28 50.70 60.15 67.20 45.20	8 6 9 9
710292 710297 710298→ 710299 710300	# 340 400 660 #	S S N N S	52 18 42 17.50 40	68 23 63 27.50 55.50	68.15 23.24 63.27 27.74 55.65	6.50 4 9 7 9	710360 710362 710364↔ 710366← 710367→	350 490 # 320 400	S S N H S	35 17 45 106 65	72 25 98 126 88	72.29 25.15 98.17 126.37 88.20	10 5 10.50 12 12

Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
710368 710369 710370 710371 710372	470 470 320 250 #	S S S S S	138 145 32 101 115	152 164 43 114 156	152.20 264.10 43.23 114.10 156.10	12 14 7 10 15.50	717004 717005← 729010XX 729510XX 759008XX	480 320 350 350 320	S S S S S	120 95 72 72 75	140 110 90 95 90	140.21 110.29 90.20 95.28 90.20	12 11 10 10 8
710373 710374 710375 710379 710380	470 # 470 470	S S S S	65 49 76 60 130	85 100 102 72 150	85.17 100.20 102.20 72.16 150.22	10 8 9.50 7.50 10	759010XX 759510XX 10X012010XX 10X012012XX 10X012512XX	320 350 350 350 350	S S S S	75 75 100 100 100	90 95 120 120 125	90.25 95.28 120.30 120.28 125.28	10 10 10 12 12
710381 710382 710383 710384 710390→	# # 470 250 320	S S S N	124 56 35 75 60	170 66 44 100 82	66.20 44.15 100.18 82.20	14.50 17 7 13 12	10X013012XX 10X213013XX 10X512513XX 10X513012XX 10X514012XX	350 350 320 350 350	S S S S	100 102 105 105 105	130 130 125 130 140	130.28 130.28 125.28 130.28 140.28	12 13 13 12 12
710396↔ 710398 710400 710403 710406	400 # 470 # 470	S S S S	35 50 58 42 140	56 72 75 62 170	56.20 72.20 75.16 62.10 170.21	9 10 9 12 14	11X013012XX 11X013513XX 11X014012XX 11X014013XX 11X014513XX	350 320 320 450 350	S S S S	110 110 110 110 110	130 135 140 140 145	130.28 135.30 140.28 140.23 145.30	12 13 12 13 13
710407 710408 710410 710412 710415→	330 320 470 320 320	S N S S	51 42 100 18 32	62 62 114 34 50	62.13 62.28 114.20 34.24 50.24	7 7 12 7 8	11X015015XX 11X2140013XX 11X414013XX 11X514012XX 11X514513XX	350 350 350 350 350	S S S S	110 112 114 115 115	150 140 140 140 145	150.28 140.32 140.28 140.28 145.30	15 13 13 12 13
710416 710418 710420→ 710422 710424	350 320 320 350 350	S N S S	34 34 50 34 35	48 53 68 62 60	48.24 53.29 68.28 62.28 60.27	7.50 8 9 10 8	11X514514XX 11X515012XX 12X014013XX 12X014512XX 12X015012XX	320 350 350 350 350	S S S S	115 115 120 120 120	145 150 140 145 150	145.20 150.28 140.28 145.28 150.28	14 12 13 12 12
710440 710442→ 710444← 710445 710446→	470 480 320 350 350	S N S S	68 42 40 19 68	90 59 54 35 88	90.17 59.16 54.28 35.23 88.29	12 7.70 6 8 8	12X016012XX 12X25045XX 12X515012XX 12X515512XX 12X516012XX	350 320 320 320 350	S S S S	120 12 125 125 125	160 25 150 155 160	160.28 25.20 150.28 155.20 160.28	12 4.50 12 12 12
712001 → 712005 → 712006 ← 712007 712008 ←	320 320 320 480 320	N H H V H	30 65 60 25 28	46 84 82 35 42	46.23 84.28 82.27 35.25 42.24	8 9 12 7 8	12X517015XX 12X815015XX 13X015010XX 13X016012XX 13X016015XX	320 350 470 350 320	S S S S	125 128 130 130 130	170 150 150 160 160	170.20 150.28 150.10 160.28 160.20	15 15 10 12 15
712010→ 712011 712020← 712551 713655	320 320 320 320 320	H S N S N	48 40 40 40 35	70 75 75 56 52	70.28 75.20 75.29 56.29 52.35	9 12 12 8 8	13X017012XX 13X017015XX 13X516013XX 13X517012XX 13X815212XX	350 350 350 350 470	S S S S	130 130 135 135 138	170 170 160 170 152	170.30 170.28 160.38 170.38 152.10	12 15 13 12 12
713771→ 714436 714619 716102← 716445	350 320 350 320 350	V S S H V	35 35 30 85 75	50 48 48 105 95	50.34 48.24 48.24 105.28 95.28	8 8 8 10 10	14X016012XX 14X016013XX 14X017012XX 14X017015XX 14X018012XX	320 350 320 350 350	S S S S	140 140 140 140 140	160 160 170 170 180	160.20 160.27 170.30 170.43 180.30	12 13 12 15 12

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Part Number	Style	Matl	Shaft	Bore	O.D.	Width	Part Number	Style	Matl	Shaft	Bore	O.D.	Width
14X018018XX	320	S	140	180	180.38	18	75X10010XX	320	S	75	100	100.20	10
14X416012XX	350	S	144	160	160.25	12	75X10012XX	320	S	75 75	100	100.27	12
14X516414XX 14X517012XX	470 350	S S	145 145	164 170	164.10 170.45	14 12	75X10513XX 75X11012XX	320 320	S S	75 75	105 110	105.27 110.20	13 12
14X517612XX	350	S	145	175	175.38	15	75X11012XX 75X11512XX	350	S	75 75	115	115.30	12
			- 10		.,							110.00	
14X518012XX	350	S	145	180	180.28	12	75X12010XX	320	S	75 70	120	120.20	10
14X518012XX 14X817015XX	350 350	S S	145 148	180 170	180.28 170.28	12 15	78X10010XX 78X10510XX	350 320	S S	78 78	100 105	100.27 105.20	10 10
14X817015XX	350	S	148	170	170.28	15	78X11510XX	320	S	78	115	115.20	10
15X018012XX	350	S	150	180	180.35	12	80X10010XX	350	S	80	100	100.20	10
15X018015XX	350	S	150	180	180.35	15	80X10510XX	320	S	80	105	105.20	10
15X518015XX	320	S	155	180	180.23	15	80X10513XX	480	S	80	105	105.27	13
16X018510XX	350	Š	160	185	185.35	10	80X11010XX	320	Š	80	110	110.28	10
16X019015XX	350	S	160	190	190.35	15	80X11012XX	350	S	80	110	110.28	12
16X020012XX	320	S	160	200	200.20	12	80X12010XX	320	S	80	120	120.20	10
16X020015XX	320	S	160	200	200.20	15	80X12013XX	320	S	80	120	120.28	13
17X020015XX	350	S	170	200	200.35	15	82X10513XX	250	S	82	105	105.25	13
17X021015XX	320	S	170	210	210.20	15	85X10510XX	320	S	85	105	105.28	10
17X520015XX	320	S	175	200	200.35	15	85X10513XX	320	S	85	105	105.28	13
18X021015XX	350	S	180	210	210.35	15	85X11010XX	350	S	85	110	110.20	10
18X512013XX	350	S	185	210	210.35	13	85X11012XX	350	S	85	110	110.28	12
19X022016XX	350	S	190	220	220.35	16	85X11513XX	350	S	85	115	115.00	13
19X023016XX	320	S	190	230	230.20	16	85X12012XX	320	S	85	120	120.28	12
20X023015XX	450	S S	200 210	230	230.35	15 15	85X12512XX	320	S S	85 85	125	125.20	12 12.70
21X024015XX	350	3	210	240	240.35	15	85X13013XX	480	3	65	130	130.15	12.70
21X025015XX	320	S	210	250	250.20	15	88X11012XX	350	S	88	110	110.28	12
22X025015XX	350	S	220	250	250.35	15	90X11012XX	350	S	90	110	110.20	12
23X026015XX	350	S	230	260	260.35	15	90X11512XX	320	S	90	115	115.20	12
24X027015XX	350	S	240	270	270.35	15	90X12012XX	320	S	90	120	120.28	12
24X028016XX	320	S	240	280	280.20	16	90X12507XX	320	S	90	125	125.70	7
28X032020XX	320	S	280	320	320.45	20	90X12513XX	320	S	90	125	125.30	13
30X034020XX	320	S	300	340	340.45	20	90X14514XX	320	S	90	145	145.20	14
38X52085XX	320	S S	38	52	52.25	8.50	92X12013XX	350	S	92	120	120.24	13
55X10013X 55X1007X	450 320	S	55 55	100 75	100.30 75.20	12.70 7	95X11010XX 95X11512XX	320 350	S S	95 95	110 115	110.20 115.28	10 12
				. •									
56X72115XX	350	S	56	72	72.40	11.50	95X12012XX	350	S	95	120	120.28	12
60X10010XX↔	320	N	60	100	100.20	10	95X12512XX	350	S	95 05	125	125.28	12
60X11008XX 62X10007XX	320 320	S S	60 62	110 100	110.20 100.30	8 7	95X13012XX 98X12013XX	350 350	S S	95 98	130 120	130.28 120.20	12 13
65X10007XX	320	S	65	100	100.30	7	3071201377	330	3	30	120	120.20	13
				100	100.00								
65X10010XX 68X10010XX	350 350	S S	65 68	100 100	100.28 100.20	10 10							
68X10010XX	350	S	68	100	100.20	13							
70X10010XX	320	S	70	100	100.20	10							
70X10013XX	350	Š	70	100	100.28	13							
70X10507XX	320	S	70	105	105.30	7							
70X10513XX	350	S	70	105	105.20	13							
70X11010XX	350	S	70	110	110.20	10							
72X10010XX	350	S	72	100	100.20	10							
72X10012XX ↔	320	S	72	100	100.31	12							

Part Number	Wi	dth	ı	.D.	0.1	D.	Part Number	Wi	dth	ı	.D.	0.1	D.
001R	1/32	0.031	1/32	0.031	3/32	0.094	115R	3/32	0.094	11/16	0.688	7/8	0.875
002R	3/64	0.047	3/64	0.047	9/64	0.141	116R	3/32	0.094	3/4	0.750	15/16	0.938
003R	1/16	0.063	1/16	0.063	3/16	0.188	117R	3/32	0.094	13/16	0.813	1	1.000
004R	1/16	0.063	5/64	0.078	13/16	0.813	118R	3/32	0.094	7/8	0.875	1-1/16	1.063
005R	1/16	0.063	3/32	0.094	7/32	0.219	119R	3/32	0.094	15/16	0.938	1-1/8	1.125
006R	1/16	0.063	1/8	0.125	1/4	0.250	120R	3/32	0.094	1	1.000	1-3/16	1.188
007R	1/16	0.063	5/32	0.156	9/32	0.281	121R	3/32	0.094	1-1/16	1.063	1-1/4	1.250
008R	1/16	0.063	3/16	0.188	5/16	0.313	122R	3/32	0.094	1-1/8	1.125	1-5/16	1.313
009R	1/16	0.063	7/32	0.219	11/32	0.344	123R	3/32	0.094	1-3/16	1.188	1-3/16	1.188
010R	1/16	0.063	1/4	0.250	3/8	0.375	124R	3/32	0.094	1-1/4	1.250	1-7/16	1.438
011R	1/16	0.063	5/16	0.313	7/16	0.438	125R	3/32	0.094	1-5/16	1.313	1-1/2	1.500
012R	1/16	0.063	3/8	0.375	1/2	0.500	126R	3/32	0.094	1-3/8	1.375	1-9/16	1.563
013R	1/16	0.063	7/16	0.438	9/16	0.563	127R	3/32	0.094	1-7/16	1.438	1-5/8	1.625
014R	1/16	0.063	1/2	0.500	5/8	0.625	128R	3/32	0.094	1-1/2	1.500	1-11/16	1.688
015R	1/16	0.063	9/16	0.563	11/16	0.688	129R	3/32	0.094	1-9/16	1.563	1-3/4	1.750
016R 017R 018R 019R 020R	1/16 1/16 1/16 1/16 1/16	0.063 0.063 0.063 0.063 0.063	5/8 11/16 3/4 13/16 7/8	0.625 0.688 0.750 0.813 0.875	3/4 13/16 7/8 15/16	0.750 0.813 0.875 0.938 1.000	130R 131R 132R 133R 134R	3/32 3/32 3/32 3/32 3/32	0.094 0.094 0.094 0.094 0.094	1-5/8 1-11/16 1-3/4 1-13/16 1-7/8	1.625 1.688 1.750 1.813 1.875	1-13/16 1-7/8 1-15/16 2 2-1/16	1.813 1.875 1.938 2.000 2.063
021R	1/16	0.063	15/16	0.938	1-1/16	1.063	135R	3/32	0.094	1-15/16	1.938	2-1/8	2.125
022R	1/16	0.063	1	1.000	1-1/8	1.125	136R	3/32	0.094	2	2.000	2-3/16	2.188
023R	1/16	0.063	1-1/16	1.063	1-3/16	1.188	137R	3/32	0.094	2-1/16	2.063	2-1/4	2.250
024R	1/16	0.063	1-1/8	1.125	1-1/4	1.250	138R	3/32	0.094	2-1/8	2.125	2-5/16	2.313
025R	1/16	0.063	1-3/16	1.188	1-5/16	1.313	139R	3/32	0.094	2-3/16	2.188	2-3/8	2.375
026R	1/16	0.063	1-1/4	1.250	1-3/8	1.375	140R	3/32	0.094	2-1/4	2.250	2-7/16	2.438
027R	1/16	0.063	1-5/16	1.313	1-7/16	1.438	141R	3/32	0.094	2-5/16	2.313	2-1/2	2.500
028R	1/16	0.063	1-3/8	1.375	1-1/2	1.500	142R	3/32	0.094	2-3/8	2.375	2-9/16	2.563
029R	1/16	0.063	1-1/2	1.500	1-5/8	1.625	143R	3/32	0.094	2-7/16	2.438	2-5/8	2.625
030R	1/16	0.063	1-5/8	1.625	1-3/4	1.750	144R	3/32	0.094	2-1/2	2.500	2-11/16	2.688
031R	1/16	0.063	1-3/4	1.750	1-7/8	1.875	145R	3/32	0.094	2-9/16	2.563	2-3/4	2.750
032R	1/16	0.063	1-7/8	1.875	2	2.000	146R	3/32	0.094	2-5/8	2.625	2-13/16	2.813
033R	1/16	0.063	2	2.000	2-1/8	2.125	147R	3/32	0.094	2-11/16	2.688	2-7/8	2.875
034R	1/16	0.063	2-1/8	2.125	2-1/4	2.250	148R	3/32	0.094	2-3/4	2.750	2-5/16	2.313
035R	1/16	0.063	2-1/4	2.250	2-3/8	2.375	149R	3/32	0.094	2-13/16	2.813	3	3.000
036R	1/16	0.063	2-3/8	2.375	2-1/2	2.500	150R	3/32	0.094	2-7/8	2.875	3-1/16	3.063
037R	1/16	0.063	2-1/2	2.500	2-5/8	2.625	151R	3/32	0.094	3	3.000	3-3/16	3.188
038R	1/16	0.063	2-5/8	2.625	2-3/4	2.750	152R	3/32	0.094	3-1/4	3.250	3-7/16	3.438
039R	1/16	0.063	2-3/4	2.750	2-7/8	2.875	153R	3/32	0.094	3-1/2	3.500	3-11/16	3.688
040R	1/16	0.063	2-7/8	2.875	3	3.000	154R	3/32	0.094	3-3/4	3.750	3-15/16	3.938
041R 042R 043R 044R 045R	1/16 1/16 1/16 1/16 1/16	0.063 0.063 0.063 0.063 0.063	3 3-1/4 3-1/2 3-3/4 4	3.000 3.250 3.500 3.750 4.000	3-1/8 3-3/8 3-5/8 3-7/8 4-1/8	3.125 3.375 3.625 3.875 4.125	155R 210R 211R 211R 212R 213R	3/32 1/8 1/8 1/8 1/8	0.094 0.125 0.125 0.125 0.125	4 3/4 13/16 7/8 15/16	4.000 0.750 0.813 0.875 0.938	4-3/16 1 1-1/16 1-1/8 1-3/16	4.188 1.000 1.063 1.125 1.188
110R 111R 112R 113R 114R	3/32 3/32 3/32 3/32 3/32	0.094 0.094 0.094 0.094 0.094	3/8 7/16 1/2 9/16 5/8	0.375 0.438 0.500 0.563 0.625	9/16 5/8 11/16 3/4 13/16	0.563 0.625 0.688 0.750 0.813	214R 215R 216R 217R 218R	1/8 1/8 1/8 1/8 1/8	0.125 0.125 0.125 0.125 0.125 0.125	1 1-1/16 1-1/8 1-3/16 1-1/4	1.000 1.063 1.125 1.188 1.250	1-1/4 1-5/16 1-3/8 1-7/16 1-1/2	1.250 1.313 1.375 1.438 1.500

Part							Part						
Number	Wi	dth	I	.D.	0.1	D.	Number	Wi	dth	I	I.D.	0.	D.
219R	1/8	0.125	1-5/16	1.313	1-9/16	1.563	269R	1/8	0.125	8-3/4	8.750	9	9.000
220R	1/8	0.125	1-3/8	1.375	1-5/8	1.625	270R	1/8	0.125	9	9.000	9-1/4	9.250
221R 222R	1/8	0.125	1-7/16	1.438 1.500	1-11/16 1-3/4	1.688	271R	1/8	0.125	9-1/4	9.250	9-1/2	9.500 9.750
222R 223R	1/8 1/8	0.125 0.125	1-1/2 1-5/8	1.625	1-3/4	1.750 1.875	272R 273R	1/8 1/8	0.125 0.125	9-1/2 9-3/4	9.500 9.750	9-3/4 10	10.000
	170	0.120	1 0/0	1.020	1 770	1.070		170	0.120	0 0/1	0.700		10.000
224R	1/8	0.125	1-3/4	1.750	2	2.000	274R	1/8	0.125	10	10.000	10-1/4	10.250
225R 226R	1/8 1/8	0.125 0.125	7/8 2	0.875 2.000	2-1/8 2-1/4	2.125 2.250	325R 326R	3/16 3/16	0.188 0.188	1-1/2 1-5/8	1.500 1.625	1-7/8 2	1.875 2.000
227R	1/8	0.125	2-1/8	2.125	2-3/8	2.375	327R	3/16	0.188	1-3/4	1.750	2-1/8	2.125
228R	1/8	0.125	2-1/4	2.250	2-1/2	2.500	328R	3/16	0.188	1-7/8	1.875	2-1/4	2.250
229R	1/8	0.125	2-3/8	2.375	2-5/8	2.625	329R	3/16	0.188	2	2.000	2-3/8	2.375
230R	1/8	0.125	2-1/2	2.500	2-3/4	2.750	330R	3/16	0.188	2-1/8	2.125	2-1/2	2.500
231R	1/8	0.125	2-5/8	2.625	2-7/8	2.875	331R	3/16	0.188	2-1/4	2.250	2-5/8	2.625
232R	1/8	0.125	2-3/4	2.750	3	3.000	332R	3/16	0.188	2-3/8	2.375	2-3/4	2.750
233R	1/8	0.125	2-7/8	2.875	3-1/8	3.125	333R	3/16	0.188	2-1/2	2.500	2-7/8	2.875
234R	1/8	0.125	3	3.000	3-1/4	3.250	334R	3/16	0.188	2-5/8	2.625	3	3.000
235R 236R	1/8 1/8	0.125 0.125	3-1/8 3-1/4	3.125 3.250	3-3/8 3-1/2	3.375 3.500	335R 336R	3/16 3/16	0.188 0.188	2-3/4 2-7/8	2.750 2.875	3-1/8 3-1/4	3.125 3.250
237R	1/8	0.125	3-3/8	3.375	3-5/8	3.625	337R	3/16	0.188	3	3.000	3-3/8	3.375
238R	1/8	0.125	3-1/2	3.500	3-3/4	3.750	338R	3/16	0.188	3-1/8	3.125	3-1/2	3.500
239R	1/8	0.125	3-5/8	3.625	3-7/8	3.875	339R	3/16	0.188	3-1/4	3.250	3-5/8	3.625
240R	1/8	0.125	3-3/4	3.750	4	4.000	340R	3/16	0.188	3-3/8	3.375	3-3/4	3.750
241R	1/8	0.125	3-7/8	3.875	4-1/8	4.125	341R	3/16	0.188	3-1/2	3.500	3-7/8	3.875
242R 243R	1/8 1/8	0.125 0.125	4 4-1/8	4.000 4.125	4-1/4 4-3/8	4.250 4.375	342R 343R	3/16 3/16	0.188 0.188	3-5/8 3-3/4	3.625 3.750	4 4-1/8	4.000 4.125
24311	1/0	0.123	4-1/0	4.125	4-5/6	4.575		3/10	0.100	3-3/4	3.730	4-1/0	4.125
244R	1/8	0.125	4-1/4	4.250	4-1/2	4.500	344R	3/16	0.188	3-7/8	3.875	4-1/4	4.250
245R	1/8	0.125	4-3/8	4.375	4-5/8	4.625	345R	3/16	0.188	4	4.000	4-3/8	4.375
246R 247R	1/8 1/8	0.125 0.125	4-1/2 4-5/8	4.500 4.625	4-3/4 4-7/8	4.750 4.875	346R 347R	3/16 3/16	0.188 0.188	4-1/8 4-1/4	4.125 4.250	4-1/2 4-5/8	4.500 4.625
248R	1/8	0.125	4-3/4	4.750	5	5.000	348R	3/16	0.188	4-3/8	4.375	4-3/4	4.750
249R	1/8	0.125	4-7/8	4.875	5-1/8	5.125	349R	3/16	0.188	4-1/2	4.500	4-7/8	4.875
250R	1/8	0.125	5	5.000	5-1/4	5.250	357R	3/16	0.188	5-1/2	5.500	5-7/8	5.875
251R	1/8	0.125	5-1/8	5.125	5-3/8	5.375	425R	1/4	0.250	4-1/2	4.500	5	5.000
252R	1/8	0.125	5-1/4	5.250	5-1/2	5.500	426R	1/4	0.250	4-5/8	4.625	5-1/8	5.125
253R	1/8	0.125	5-3/8	5.375	5-5/8	5.625	427R	1/4	0.250	4-3/4	4.750	5-1/4	5.250
254R	1/8	0.125	5-1/2	5.500	5-3/4	5.750	428R	1-4	0.250	4-7/8	4.875	5-3/8	5.375
255R 256R	1/8	0.125	5-5/8 5-2/4	5.625	5-7/8	5.875	429R	1/4	0.250	5 5 1/9	5.000	5-1/2 5-5/9	5.500
250H 257R	1/8 1/8	0.125 0.125	5-3/4 5-7/8	5.750 5.875	6 6-1/8	6.000 6.125	430R 431R	1/4 1/4	0.250 0.250	5-1/8 5-1/4	5.125 5.250	5-5/8 5-3/4	5.625 5.750
258R	1/8	0.125	6	6.000	6-1/4	6.250	432R	1/4	0.250	5-3/8	5.375	5-7/8	5.875
259R	1/8	0.125	6-1/4	6.250	6-1/2	6.500	433R	1/4	0.250	5-1/2	5.500	6	6.000
260R	1/8	0.125	6-1/2	6.500	6-3/4	6.750	434R	1/4	0.250	5-5/8	5.625	6-1/8	6.125
261R	1/8	0.125	6-3/4	6.750	7	7.000	435R	1/4	0.250	5-3/4	5.750	6-1/4	6.250
262R	1/8	0.125	7	7.000	7-1/4	7.250	436R	1/4	0.250	5-7/8	5.875	6-3/8	6.375
263R	1/8	0.125	7-1/4	7.250	7-1/2	7.500	437R	1/4	0.250	6	6.000	6-1/2	6.500
264R	1/8	0.125	7-1/2	7.500	7-3/4	7.750	438R	1/4	0.250	6-1/4	6.250	6-3/4	6.750
265R	1/8	0.125	7-3/4	7.750	8 9-1/4	8.000	439R	1/4	0.250	6-1/2 6-3/4	6.500 6.750	7 7-1/4	7.000
266R 267R	1/8 1/8	0.125 0.125	8 8-1/4	8.000 8.250	8-1/4 8-1/2	8.250 8.500	440R 441R	1/4 1/4	0.250 0.250	6-3/4 7	6.750 7.000	7-1/4 7-1/2	7.250 7.500
268R	1/8	0.125	8-1/2	8.500	8-3/4	8.750	442R	1/4	0.250	7-1/4	7.250	7-3/4	7.750
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Part Number	Wi	dth		I.D.	0.	D.	Part Number	Width	I.D.	O.D.
143R 144R 145R 146R 147R	1/4 1/4 1/4 1/4 1/4	0.250 0.250 0.250 0.250 0.250	7-1/2 7-3/4 8 8-1/2 9	7.500 7.750 8.000 8.500 9.000	8 8-1/4 8-1/2 9 9-1/2	8.000 8.250 8.500 9.000 9.500				
148R 149R 150R 151R 152R	1/4 1/4 1/4 1/4 1/4	0.250 0.250 0.250 0.250 0.250	9-1/2 10 10-1/2 11 11-1/2	9.500 10.000 10.500 11.000 11.500	10 10-1/2 11 11-1/2 12	10.000 10.500 11.000 11.500 12.000				
153R 154R 155R 156R 157R	1/4 1/4 1/4 1/4 1/4	0.250 0.250 0.250 0.250 0.250	12-1/2 13 13-1/2	12.000 12.500 13.000 13.500 14.000	12-1/2 13 13-1/2 14 14-1/2	12.500 13.000 13.500 14.000 14.500				
158R 159R 160R	1/4 1/4 1/4	0.250 0.250 0.250	15	14.500 15.000 15.500	15 15-1/2 16	15.000 15.500 16.000				

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